

Sequence Listing

<110> Baker, Kevin P.
Goddard, Audrey
Wood, William I.

<120> NOVEL POLYNUCLEOTIDES AND METHOD OF USE THEREOF

<130> P2751R1C1

<150> PCT/US00/20006

<151> 2000-07-21

<150> US 60/145,701

<151> 1999-07-26

<160> 564

<210> 1

<211> 478

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 212, 285, 424

<223> unknown base

<400> 1

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aaaatgatac aaggcatagg aagaagaaat taggattata tgctatgtaa 150
gaagcagtat agtggtttttt gaaaatagac ttgaattagt tggaaatcca 200
tattgaaaac tntcggggcaa acattttttaa aaaataaaaa aatgatatgc 250
taagaaagaa gagaaaacgg aattacacaa aatgntcaat taaaaccaca 300
aaaggaagca aaagtgtgga aaacaaaaag gggaacaaag aataaggcaa 350
caaacagaaa acagtaacaa atatggtaag cattaatcca actatattaa 400
taatcacttt aaatatcaat ggtntaaata tgtcaattat aagacagaga 450
ttaccagagt ggacacatta tataagct 478
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<210> 2

<211> 682

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 45, 51, 62

<223> unknown base

<400> 2

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nttccccgcc gnttcgggcc cccagtgcc gcccttcgcg ggccggaggc 100
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gcgagtctgg gctttggcgc cttegcagcc gcaggcgaca tcctctttcc 150
tagctaaagc cccaaacgcc caggtggcctt cctgggagag cacggctgag 200
cctccgcctt cagatcagaa caggcagagc ctccaagggc ggcttgggcc 250
cagtgcctgc ttatcctgcc cgtctctcca cacttcttct ttcctgtcc 300
gttggagtcc attccttcct ggaaaagcca aagccgcgt cccctaagag 350
tcatgtgtta ctggattaat tgaaattctt gataggtaac agagttttat 400
catcagetta tgattgccta tgactagctc aaagttaagt ttttaataaac 450
tagtaagtac aataaacctc attcctaaat acaaggaaaa gaactatata 500
atgaatactt gtctctatgc ccctctcgca tagataacaa taatttaggt 550
ttacctttaa atgaactgca tttaaatgaa attaatttaa atgattgttt 600
cacggcacag tttcatcaat ggtctacggt atcccttatt tatgtataca 650
tcagtttgta tacatctgta tctatgtatt tg 682

<210> 3
<211> 835
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 1, 6, 12, 27, 29-31, 49, 53, 56, 58, 61-62, 66, 68, 71, 74,
78-81, 85-86, 88, 91, 95, 98, 102, 105, 109, 111, 115, 126-127,
131, 139, 142, 146-147, 157, 163, 166, 169, 175, 177, 184,
196-197, 199, 210, 215, 217, 219, 222, 228, 234, 236, 238,
240-241, 244-245, 257, 260, 263, 271, 279, 287, 291-331, 335,
337, 345, 384, 392, 418, 438, 459, 465, 478, 499, 501, 507, 533,
562, 579, 587, 598, 616, 630, 656, 661, 667, 671, 684, 702, 746,
811, 824-835
<223> unknown base

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ganggngnag nngagnangg ngngggannn naggnngnag naggnccnag 100
anggnaagng nttgnaagaa aggganngcc nggtaaaana gnaccnnccc 150
aagaagngat tangngngnt tcctngntga aggntgtgga tcccanntnt 200
ttcccgggan ttatngntng gnaacaaanatt ttcnangngn nacnnaggca 250
aacaatnaan ttnccaaggt nttggtagna tttcccnccg nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngatntnggg gttntcccc 350
tttcccttc ccctttcccc accccggggg ttcnggttg tnaagaaaaa 400
aaaaaaaaa aagaattntg gcgcggcctc ggcggagntg gtgatcggct 450
ggtgcatant cggcntctta ctactggnta ttttggcatt ctgctggana 500
natgttngta aataccaaag tcggcgggaa agngaagttg tttccaccat 550

aacagcaatt tnttttttag caattgcant tatcacntca gcacttgnac 600
cagaggaaat attttnggtt tcttacatgn aaaatcaaaa tggtagattt 650
aaggantggg ntaatgntaa ngtcagcaga cagnttgagg aactgtatt 700
anacggttac tatactttat attctgttat attgttctgt gtgttnttct 750
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agtagatgta ntcaaattaa aacnnnnnnn nnnnn 835

<210> 4
<211> 491
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 181, 213, 251, 335, 345-346, 350, 357, 374, 381, 387, 398, 401,
403, 427, 442, 447, 451, 463, 481, 484, 486, 489
<223> unknown base

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aaaaatgata caaggcatag gaagaagaaa ttaggattat atgctatgta 150
agaagcagta tagtgttttt tgaaaataga nttgaattag ttggaaatcc 200
atattgaaaa ctntcgggca aacattttta aaaaataaaa aaatgatatg 250
ntaagaaaga agagaaaacg gaattacaca aaatgctcaa ttaaaaccac 300
aaaaggaagc aaaagtgtgg aaaacaaaaa ggggnacaaa gaatnnggcn 350
acaaacngca aacagtaaca attntggtaa ncattantcc aattatantt 400
ncnattactc taaatatcaa tgtttttnaat atgtctattg tnagacngag 450
nttaccagag agnacacatt atataaggtc ngangngtng g 491

<210> 5
<211> 637
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 4, 12-13, 31, 37, 40, 43-44, 46, 50, 55, 64, 68, 78, 97, 114,
124-125, 137, 148, 183, 185, 227, 233, 236, 238, 264, 266, 268,
276, 322, 325, 334, 340, 345, 417, 426, 428, 472, 474-475,
482-484, 500, 502-503, 509-510, 521, 540, 543, 558, 588-589, 594,
598, 606, 616, 631, 633
<223> unknown base

<400> 5
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ggattgaatt cccnggggat cttnnagaga tcccttngac tttgaccnaa 150

gggtccggct ttaggggaag aagttggtgt ttngntgggc cctggtactg 200
aagacgcgtt ccgggtagcc caaagangtt tentantnac ccaaagcccc 250
gcacccgcct tttntntntt ttcttntggc aggatgaggc gtgcaggcct 300
gggtgaagga gtacttcctg gnaantatgg gaantatggn tatgntaata 350
gtgggtatag tgcctgtgaa gaagaaaatg agaggctcac tgaaagtttg 400
agaagcaaag taactgntat aaaatntntt tccattgaa ataggccatg 450
aagttaaaac ccagaataaa tnannagcgg annnggatta aaaagacgan 500
tnnacaacnn tgattttgta ngtataacta tgggcataa tgnagatttt 550
ttccagangg agctaaacaa agatgttgag agatatgnng aggntatnat 600
taattntcaa gtttgntcac ataggcgagc ntnaaac 637

<210> 6

<211> 969

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 12-13, 25, 46, 49, 53, 64, 94, 118, 134, 140, 153, 155, 164, 172,
175, 177, 182, 184, 191, 210, 218, 221, 223-224, 240, 242, 250,
259, 266-267, 272, 276, 298, 305-306, 319, 339-340, 344, 346,
348, 353, 384, 397, 408, 432, 455, 457, 470, 474, 480, 502, 504,
519, 525, 559, 579, 597, 625, 629, 631, 634, 645, 649, 655, 657,
666, 670, 675, 681, 697, 768, 773, 776, 786, 788, 791, 794, 816,
819, 830, 859, 877, 879, 886, 895, 904, 910, 913, 918, 925,
927-946, 952, 956, 958, 962, 966, 968-969

<223> unknown base

<400> 6

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gagttccttt ggacctgnaa caaagggttg gaantaaan aaaaattaaa 150
aanenggggt tttnggggaa anttnanaat gngnttgggg ncaagaaaaa 200
tgggtttttt gggagggnaa ngngggttca tttccaaatn gnaggggggn 250
aaaaatttna ggcttnnggg gnaggnggaa aaaaatttcg tagcctcnag 300
gttggnattt ttaaacctnc agaagggtgc cagecccggn tcancngtg 350
atnaaggcag atgggaaaag ggggatatgg ggtnataagg gtacctntca 400
cccttttnga aggaaaaaaa gtggtccaca gnatttttgt ttaccaagg 450
gtaananatg gaattttgtn gaanataggn gaatggtgag gcatttgga 500
anangggggg ggggttttnt tgaanggggg agtaggggta tggatattta 550
tgggaaaana gttttttggc actaaacct tttgaattac ctaatanatt 600
tatgtggaaa cctgtccttt ttttncagnt naanaaaaa ttttncctnt 650

gaaantnatt tttagnaagn atatnaaaag nattttttttt ttcaagngtc 700
 agaaaccttt tagcatcatt gaagttaaaa tgactgtcca taaacttttc 750
 agaaatagta ggcattnnag gcnacnagat ttgtanangg natnttcata 800
 gaattatacc agtgantttna ccacctgaan cctcttggat cccgtaagca 850
 ttctttgcna caaggaaggg aggtatncng ggtaantcct tgaanttttg 900
 gacnggaacn atracttnga atttnannnn nnnnnnnnnn nnnnnngccg 950
 cngggncttt tntcgngnn 969

<210> 7
 <211> 952
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 1, 3, 7, 23, 30, 38, 49, 53, 64, 68, 84, 90-92, 109, 130, 147,
 152, 182, 198, 211, 221-222, 228, 239, 243, 255, 271, 300, 303,
 308-309, 314, 322, 331, 337, 340, 345, 359, 377, 381, 385, 412,
 422, 452, 463, 469, 475, 541, 547, 586, 777, 780-781, 784-787,
 789, 798, 802-803, 825, 831, 838, 840, 853, 855, 863, 865, 872,
 885, 889-890, 907, 921-952
 <223> unknown base

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 cgggggttnc ttttaggggt tcctttgacn ttgaaccaa ggtttcnggc 150
 cnggaggggg gggggaccgg ttttttcccc cngcgtttcc cccggggntg 200
 ggggttgggg ngcccatttg nngaagtnag tggggaggng gantgggaac 250
 ccggnagttt tggagaaagg naggttcctt ccttaaccct gggggttcn 300
 gnggccnng gagnggcagt tnggggaata ntgttnagn ggttnggggg 350
 gttttcctng ggtcccgcca aggggnggt ncttnataaa aggggtgcctt 400
 tttccccaca gnttcaggt cngagaggag ccgcaccgtc ggggttgaga 450
 tngcgcgcaa gngggcttnt ggttnggatt tgccccgcat cggccacagg 500
 aaaagcctgg tccctagga cggttgtggt tcgagctttt ngttttntcg 550
 aacattgagg tattcgctca gccaccacg ttgtcntcgg ggttattagg 600
 cccagtcac aagccctatg atgttttcag acttcccagg tggagataag 650
 gaaaatttta ctatttctgc agaacttctg ttgatgtaca gcattgtatt 700
 tagcaacttc tgtgtagatc tgaaaataaa tacattacca attgttagtt 750
 gcgtttttat taatataatt ttagagnagn ngannnngnt gttagacnta 800
 cnnaggtaaa ttatgtggca ctttngcatt nttgttgntn catgttcccc 850

tgnantttgc ttngngattt cnattttattc caaantcann atagaatgta 900

atttcnaac ccacagtcgc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 950

nn 952

<210> 8

<211> 752

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 4-6, 8, 11, 34, 37, 40, 87, 123, 125, 133-134, 138, 143, 147, 166, 171, 174, 199, 242, 263, 302, 305, 333, 363, 380, 423, 425, 463, 527, 534, 539, 547-548, 553, 556, 561, 583, 604, 607, 615, 618, 621, 624, 628, 638, 641-643, 646, 648, 654-655, 658, 660, 666, 674, 676, 679, 688-689, 704, 710-725, 727, 730, 735, 739, 741, 745, 747, 749, 751-752

<223> unknown base

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 tttcagagtt caacaggaaa aangngaaca aanngccngg agntttnaaa 150
 gttttgggaa agccantttt natntgttca aggaacagtt tttatttgng 200
 atgccaatca gaatttttga cccagtataa tcaaggtcag antttcaacc 250
 taagcctgga ccngacccat aataacggaa agtttaacaa tgactcacat 300
 tntcntaaag tttccagcca gaataggaca cgntcatttg gtcattttcc 350
 cgggtccagag ttnttgatg tagagaaaan tagcttttcc caggaacaat 400
 tttgtgattc cgcaggagaa ggntntgaaa gaatacatca agattttgaa 450
 tttggtgatg aanttagcag cagctccact gaacagataa gggcaaccac 500
 acctccaaat caaggaaggc cagattntcc tgtntatgnt aaccttnnag 550
 aantgnaaat ntcccagtat ggtcttcccc canttcttgg gagcctggta 600
 attnagntta ttggngcntg nganactnat atagacanct nnnngngntg 650
 ttannatnan cacagnngga catngnatng aagttggna cctcttgctt 700
 ggantcgggn nnnnnnnnnn nnnnnntcn ccgcnnggnc nttntngng 750
 nn 752

<210> 9

<211> 478

<212> DNA

<213> Homo Sapien

<400> 9

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aaaatgatac aaggcatagg aagaagaaat taggattata tgctatgtaa 150
gaagcagtat agtggtttttt gaaaatagac ttgaattagt tggaaatcca 200
tattgaaaac tctcggggcaa acatttttttaaaaataaaaaa aatgatatgc 250
taagaaagaa gagaaaacgg aattacacaa aatgctcaat taaaaccaca 300
aaaggaagca aaagtgtgga aaacaaaaag gggaacaaag aataaggcaa 350
caaacagaaa acagtaacaa atatggtaag cattaatcca actatattaa 400
taatcacttt aaatatcaat ggtctaaata tgtcaattat aagacagaga 450
ttaccagagt ggacacatta tataagct 478

<210> 10
<211> 279
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 90
<223> unknown base

<400> 10
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agtgacagtgg ccatgatctc ggctcactgc actccagccn ggatgacaga 100
atgagactct gtctccaaaa ataaaataaa ataaaataaa agtgatatga 150
acataaaaagt accttaggtc caaacaatga taacaactaa tattttattgg 200
gcgcttactg tggatgcat tgtgttaagc atttcacatg tattttactca 250
tttaatcctc acaaccatcc taaaaggtc 279

<210> 11
<211> 171
<212> DNA
<213> Homo Sapien

<400> 11
gttccacgtt gcttgaaatt gaaaatcaag ataaaaatgt tcacaattaa 50
gtccttcttt tttattgttc ctctagttat ttctctcaga attgatcaag 100
acaattcatc atttgattct ctatctccag agccaaaatc aagatttgct 150
atgtagacg atgtaaaaaat t 171

<210> 12
<211> 615
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 53, 62, 104, 109-110, 134, 147, 159, 170-171, 209, 275, 304
<223> unknown base

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cngggcggt cntcactaaa aggetgccct tctccccac agctccaggt 100
cccnagagnn gccgcaccgt cgggttgag atncgctca agggtnct 150
ctgggtctnc atctgccccn ncatcgcca caggaaaagc cctgggtccc 200
taggcacgnt cgtgggtcga gcttttcgtt ctctcgaca ttgaggtatt 250
cgctcagccc accacgttgt ccctnogggg ttattagggc ccagtcacaa 300
gccntatgga tgttttccag acttcccagg tggagataag gaaaatttta 350
ctatttctgc agaacttctg ttgatgtaca gccattgtat ttagcaactt 400
cgtgtagatc tgaaaataaa tacattacca attgttagtt gcgtttttat 450
taatataaat cttagagtac ttgattttgc tgttagcttt acttaggtaa 500
attatgtggc actctagcat ttttgttgtt gcatgttcca ttgaactttg 550
ctctgtgttt tccatttatt ccaaattcaa aatagactgt aacttcccaa 600
tttattctat gttcc 615

<210> 13
<211> 1207
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 567, 675, 710, 733, 831-833, 1036
<223> unknown base

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aagtaatgac acagatggga cctgaacctg ggtctcagga ggctctggtc 100
cctggccaaa ctatgtgact atgtacatcc acctgggttc tgctcatggg 150
ttagtgtgtg acaggaacat tccatgatgg ctgcagcctc catcccaggg 200
gcacttgag aagccattcc actcagcccc cttgaccaga agaacccttg 250
ggatggaaaa ggggaatcctg attctgcaac tacgtgctcc catgagatct 300
gattttcagc cagggctgat ccggtggtgc cagcaaggaa gccacatcat 350
ctcattgtta ctagactggc cgggtgaaa gattagacaa caacgtttac 400
tttgccatta gccctgctg gcactcagta tggattgccc tggctttcag 450
gggcactggg tacagtgtct ccgatgcagg gcagcccctg ccaagggcac 500
aggtgttcat aaatattcca tgaaccaatc aaatcagcca tggaatgaga 550
tctaaggaa cctattncgg caagcctgag acgaacactt aagcatgata 600
atgttatcaa cctgggtctga taggcattgg ggcactggtc cctcgcat 650

tcaatcaggg tctcaccag ggacngatct ccaacaccaa aaaaacttgg 700
 tttttccatn cccattccaa actgggctct cncccaaatg cccttagggc 750
 attgggggca agctgggtccc cttggcaggt tttttcattc gaggttctca 800
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 tttaaaagtt aaattgatga taactttttt ggctcaagta tagaagtaat 950
 acattatcca ttgtagatta tttataggta aataaaattt tttaaatgac 1000
 ttttaacccc actaccaga actaaccacc actggnggta gttaaataat 1050
 atattgattt acttacaat ataggaccac aagatatggc acatgttttg 1100
 caaccaacct gttttgatag gccagcttg cttctgctgc gctactttat 1150
 ttgcaacca aacccgcttt taaaagaaaa atcatggtct tgtattttac 1200
 aagtgat 1207

<210> 14
 <211> 789
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 552, 576
 <223> unknown base

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 tttcctctaa gagttagcca ctattatccc ttcagagtgg atattcaggc 100
 ttttctttcc tggcatggac atacatatgt aaatgtacat atataaaaaat 150
 aattagtac accatgcatg gtagctcacg cctgtaatcc cagcactttg 200
 ggacgctgag gtgagagaat tgcttgaggc catcagtttg aagctgcagt 250
 gatctatgat tgtgcctcta cactccagcc tgggtgacag ggtgagaccc 300
 tgtctcttaa aaaaaaatc gtatttgggg ttagtagtag tacctacctc 350
 ataggttatt atgggatcag tacagtaggc cagacaaagt gcgtatgcta 400
 ttattttgca tgtagtaagt accagcatat actacctgtt atccagaaat 450
 ttgctgaaat gtcccttgta ttttctctct ttcgattttg atcagtcttc 500
 ctagaagtca tcagtttgag ttttttcaaa gaaccagtgg ttggtttaat 550
 gnatttggtt tgttttcttt tccaangatt tctgctttac tccttaataa 600
 ttcccttttc tgctggcttt ggggtccatt tgttcttctg tctcttctag 650
 tttcttaagg taaaggctta gatcattgac ttcagatttt ttgtcttttc 700
 taacaagtgt tcaaaactat aatataaatt tccctctaag cattgtttag 750

ccacatttca caaatttgga aatgtttatt cattttcac 789

<210> 15
<211> 294
<212> DNA
<213> Homo Sapien

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tttcaacccc attggttcta ttttcttgta tttttccatt taatttgctt 100
cataacttaa accaagtctc ttctagtctt aggtattatt tctcgatttt 150
gtgctgatgg gcatgtttat aagaactgga gaggtgattt attggaatga 200
actaactgac ttccctccatt cccctcttcc tttttgacat gaattttact 250
acttcacaaa tgaagaatga tgttatgaag ttaccgtggc aaag 294

<210> 16
<211> 514
<212> DNA
<213> Homo Sapien

<400> 16
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tccactgagt atgcagctac tatggttttt gtatgggacg tataaatact 100
tgattatata cgacagattt taatgtcttt aaagacttcc tgctgtatta 150
acatattgta atggagtctt ttaaatacta ggttgaattt aattgaagtc 200
acacacatct tgaagtggta actgcatagt aaatactacc aagagttttt 250
ttcacgtggg agtatcctaa aactctgcc a tgggtgtaaa tgtttttacat 300
taatttcata attggacaga ccttgcattt agcgaaaaca ttttgttttg 350
aaagtgtggt ctttttgctg cactgttact gcgtaacact tctcaacatt 400
ctgtaagtta aattattttt aaataactat ggtgaattca tgtttatttt 450
tttttacttt gaaaattgta gtactcaggt ggtatttaat gggaaaggat 500
cctttgggta taaa 514

<210> 17
<211> 501
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 28, 57, 60, 97
<223> unknown base

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ctactanggn ttttgtaagg ggaccgtata aataactgga ttatatncga 100

cagatctttaa atgtctttaa agacttcctg ctgtattaac atattgtaat 150
 ggatctttaa aatactaggt tgaatttaac tgaagtcaca cacatcttga 200
 agtggtaact gcatagtaaa tactaccaag agtttttttc acgtgggagt 250
 atcctaaaac tctgccatgg gtgtaaatgt tttacattaa tttcataatt 300
 ggacagaccc tgcatttagc gaaaacattt tgttttgaaa gtgtgttctt 350
 tttgtcgcac tgttactgcg taacacttct caacattctg taagttaaatt 400
 tatttttaaaa taactatggt gaattcatgt ttattttttt ttactttgaa 450
 aattgtagta ctcagggtgg atttaatggg aaaggatcct ttgggtataa 500

a 501

<210> 18
 <211> 197
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 27, 42, 57
 <223> unknown base

<400> 18
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 tttgtgntga tgggcatggt tataagaact ggagaggtaa tttattggaa 100
 tgaactaact gacttcctcc attcccctct tcctttttga catgaatttt 150
 actacttcac aaatgaagaa tgatgttatg aagttaccgt ggcaaag 197

<210> 19
 <211> 526
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 60, 74, 97, 111, 165, 208, 221, 225, 227, 356, 371, 398
 <223> unknown base

<400> 19
 tggggccccc ccaaccccg cnggtatcca aggaaaaaat tttttattat 50
 ggggtttccn ggaactatct gggncctatg gaaatagccc ttaaagngct 100
 tacattcatg ngctacttta acatgaatgg agaaaatccg tttatggaag 150
 tacagtgaca attgncccaa tcaactctgtc catcaaacca ctcaggctag 200
 tttgtacnag tagagttttg nttcnanttt tattttttatt aattttattt 250
 tttttttaat acagatcttc agtgaggggc tttttcaacc ccattggttc 300
 tattttcttg tattttttcca ttttaattgc ttcataactt aaaccaagtc 350
 tcttcnagtc ttaggtatta nttctcgatt ttgtgctgat gggcatgntt 400

ataagaactg gagaggtaat ttattggaat gaactaactg acttcctcca 450
 ttccccctctt ccttttttgac atgaatttta ctacttcaca aatgaagaat 500
 gatgttatga agttaccgtg gcaaag 526

<210> 20
 <211> 379
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 40, 103, 125, 127, 204, 219, 378-379
 <223> unknown base

<400> 20
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 agacgtcctc cgataacaaa aatccttgct tcctctgtct gtgactttac 100
 acncagttgt tcaaagttgt taaangncaa gagtcaatca catccctagg 150
 actacctccc aactctcctg actcttatgt tattgaaaaa acaaacaaac 200
 aaanactcct ttatgatgnt attcaacttg agtgggggttt ttttttccac 250
 tttggtcctg gatataatga aatgatacat attaggataa attttctactg 300
 tgtatagtag caatacgaac acacatgcca atgtatcaac atatctactt 350
 ggttacattt tggtttatga taatogann 379

<210> 21
 <211> 408
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 102, 153, 167, 230, 251
 <223> unknown base

<400> 21
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 aactactacc aaaaagattt caccaattta caactccatc attagtaaga 100
 angcctgttt gcctatagtc tgccaacctg aacccttaaa aatttttgcc 150
 aanctggtag gcaaaantct ttcttttctt tgaatattaa tgaggaggaa 200
 catcttttca tgtttcttgg ccatttgcan ttcctattat gaattgcttc 250
 nggccattt tccttttttt aattatgaaa gtctaataac taccttctca 300
 ttgtataaaa aacacagttc tttgaataga gagacccttt tctccaatgc 350
 taccaatcac attccactta ccacagttta acatacatcc tctagtcacc 400
 tttcccga 408

<210> 22
 <211> 453

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 87, 175, 263, 297-298
<223> unknown base

<400> 22
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tttacttttta tggagttttc aggaaactat tttatancat ctagttatatt 100
agtctacgta tctctattta gtggagcctt ttccctcaa ataatatatt 150
ttatcatttt tggacttata taaancataa ttaaataaat tttttcttaa 200
tactgttgga ctttgtatat acaagttcag ataacttttt cgaagatagt 250
ttcttatata aangtaattt aatttttttt actcttctat acagttnttt 300
agatgtaaag gaattagcac aatctctggc agttttataa aagctgttga 350
agctcttgct ctgcactgtc tttaggtatc ataggtatca ggtttgcttt 400
gtgttaatgc cacttcaagt cattatttgg tttctgctat ttttttacct 450
gag 453

<210> 23
<211> 356
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 42, 45, 201-202
<223> unknown base

<400> 23
atacatatat atgtgtgtgt gtgtgtgtgt gtgtatgtat anatntaatc 50
atttactctc ttttgggggt caagaatttg aatgaagaaa aacaaatcca 100
attaattttg gcttccagtt acttctgata aaatcagtga aggttcttgg 150
atatttgaaat ctcaagttgtg cattgctttt tttagatcct gccaggttac 200
nnttttttaa ataacatgta caaatccatc tttttcagta tagactattg 250
taagtttttg gaaattgtta tagtcataga accatgatca ctaacaagat 300
atattcccc actccaaagt cctatgtgtt cctttttag ttaacctgtc 350
acccac 356

<210> 24
<211> 498
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 49, 102, 141, 147, 171, 324-325, 339-341

<223> unknown base

<400> 24

acccttgacc caacgcggcc ccccgaccgn ttcattggcca aacgcgggnc 50
tccagctgtt gggcttcatt ctccccctcc tgggatggac cggcgcccat 100
cntcagcact gccctgcccc agtggaggat ttactcctat nccggcnaca 150
acatcgtgac cggccaggcc ntgtacgagg ggctgtggat gtccctgcgtg 200
tcgcagagca ccgggcagat ccagtgcaaa gtctttgact cccttgctga 250
atctgagcag cacattgcaa gcaacccgtg ccttgatggg ggttggcatc 300
ctcctgggag tgatagcaat cttnttgccc accgttgtnn ntgaagtga 350
tgaagtgctt ggaagacgat gaggtgcaga agatgaggat ggctgtcatt 400
gggggcgcga tatttcttct tgcaggtctg gctatttttag ttgccacagc 450
atggtatggc aatagaatcg ttcaagaatt ctatgaccct atgaccga 498

<210> 25

<211> 466

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 304

<223> unknown base

<400> 25

ttttcttttt tctctttttt aaattacott tgttttgccg taaggagttg 50
gggaatttgt ggtggcaggg aagtaatgta agttgcttta taactcactg 100
tctaacaaag ttttgaaaat ttgtctgata tgtaattagg tactttaggg 150
ttattagggt ttcataaaaa ttctgggttag ggctcttgcc ctgctcccaa 200
tgaaagcctt tccacagggc aaatataaaa gagagagtag agggaatccc 250
cctgaggttt aaataagtca aaccagtaag taatagtgtc aagtttgtca 300
gtgncctctc tttcttactg tacttaacat ctaaagggca cctcatttat 350
tttcagctaa ttatgttctt tatgagtgcac tgtcaaatac gggaagggtg 400
tgacgatcat gtggagatac cttttctaata taatagctgc cttgctcctc 450
aagattctga cgaacc 466

<210> 26

<211> 409

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 30, 36, 68, 77, 119, 235, 248, 250-252

<223> unknown base

<400> 26
cttcttgaca ctgccctttc ccttccccc tccanccctg cccgacccat 50
gcccgcgggc gtgcccangt cccaccntac ttgaaaaatg ttcgccagcc 100
agtctccttg gcccatgtnc gcaggggcag aagtgggtgcc acaggtaacta 150
ccgaccggac ctgacaatac ctgaaattcc caccaaagcg tggagaactc 200
aaaacggagc ttttgggact gaaagaaaga aaacncaaac ctcaagtntn 250
nncaacagga ggaacttaaa taactacgtc caagaattct gtgaataata 300
taagtcttaa atatgtatct cttaatctat tgcataaac tacttgctct 350
taagcactta gtctaattgt aactgcaaga ggaggtgctc agtggatgtt 400
tagccgcga 409

<210> 27
<211> 390
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 37, 42, 62, 79, 81, 129, 132-133, 176, 179, 229-230, 248, 375
<223> unknown base

<400> 27
cgtgaaacac ccctttatct ccttcataac tactcantat gnetatttcc 50
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ctgactagta cataacaggc acccaatant tnnttaattg tggtaaaata 150
tacataacaa agttaccatt ttaagnatnt aattcagcag cgttacatac 200
attcaaattg ttgtgcaacc atcaccacnn tccatctccg gaactttnta 250
tcttcccaag ctaaggctct tggcccatta aacaataact totaattgca 300
cccttccctg tccaccctgg tgaccatcat totgactct atgaatttgg 350
ctactttatg tcccccaaat aagtngaac ataccgacc 390

<210> 28
<211> 402
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 43, 105, 115, 245-246
<223> unknown base

<400> 28
tggcatgtgg gccatttca gtttccctac atgttcccaa aanttattta 50
aattactgtg tccaaaatta tgaggacagt gtcattcatt caccatagtt 100
tatantctta gttanataac aaacttctt ggcacctagg ataagaacat 150
ttcttttgaa gttatccaat ttttttttat ttttacttga cttgaaggaa 200

agttggaaaa tatggtggaa aaaatcttcc gcattaaaag ggtcnntaaa 250
 acacaacccat ttacgatctc agtcagcaga tttactctac tcaaggaaaa 300
 aaagaaacaa tcttattgga agcagatggt gacactgtgt cagttattga 350
 agacggaagg agttcacttg agccattgca gttacaaagg ggtattgatc 400
 ga 402

<210> 29
 <211> 300
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 39, 47, 112, 134, 142, 144, 149, 177, 183, 234, 251, 257, 287,
 297
 <223> unknown base

<400> 29
 tctgcccctg aaatatacaa gggcatgcc caaattaana caggtnnacc 50
 tttgtagagg taaatatggt ggcattatct attgacattt atgcttcaag 100
 catgtcttat tntatgtaat ttttaagaaat actntattta antngtgana 150
 tatacctaaa agcatactag ttagctntta gantctcact tagggagggg 200
 aaagaaacat cactgatgcc aatatgaaga tttntaaaca aatcctttgt 250
 ntagaanttt tttcttttctg tgcacctcac aacacantta ccatcgnacc 300

<210> 30
 <211> 540
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 30, 85, 106, 114, 146, 153, 169, 178, 227, 231, 235, 253, 256,
 268, 343, 373, 443, 486, 531
 <223> unknown base

<400> 30
 ggccgggtct ttttaagatct ttgacctgan ccaaagtttc ggggaagggg 50
 ggggtgcccc ggtggagtgc atgggggatt ttggnttaat gcaagttccc 100
 cttccngtgt taangccatt ttcttgcttc agcttttttg agtagntgga 150
 aanacaggcg cccgccaana cacctggnta attttttgta ttttcagtag 200
 agacgggggt tcaccgtggt ttcaatntcc ngacnttggt atccgcccgc 250
 ctnggnttgc caaagtgntg ggattataag cgtgagccac cgcgcccggc 300
 cgagatgttt tgatacaggc atgcaatgtg aaataatcag atnatagaca 350
 atgaggtatc catccccctc aantttttat ctttgtgtta ctaacaatcc 400
 cgtgaacact ttttttagtta ttttaaaatg tataattagt tantactgac 450

tatagtcaac cctgttatgc tgtcaaataa tagatnttat tcattcttac 500
tggttttttt gtactcatta actgttctca ncgccgaacc 540

<210> 31
<211> 168
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 56, 61, 112, 156, 165
<223> unknown base

<400> 31
gttttttttt tttgaagcga acttttgcta tattgctaag gctagttttg 50
aactcntggg ntcaagcaat actgccttga cctcctaaag tgcttggatt 100
acaggcatga gntactgcgc ctggcctgca atatgtattt taagctactt 150
ttttntttat tccgnacc 168

<210> 32
<211> 534
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 98, 118, 504, 513
<223> unknown base

<400> 32
tgtcgacgcg aatgccccgc gggcggagaa ctgggctccc accgaggagg 50
ctggaggcag gttegetgtg gttccccctc ccgacctggc agagctgncg 100
ggagctctct gaggtccntc gagagtaccg gaaggagcac cagactacgt 150
gttccctgct cttctgcggc gcctacctct acaaacaggg ctttgccatc 200
cccggctcca gcttccctgaa gttttagctg gtgcccttgt ttggggcccat 250
ggctgggggt tctgctgtgc tgtgtgttga cctcggtggg tgccacatgc 300
tgctacctgc tctccagtat ttttggcaaa cagttggtgg tgtcctactt 350
tcttgataaa gtggccctgc tgcagagaaa ggtggaggag aacagaaaca 400
gcttggttttt tttcttattg tttttgagac ttttccccat gacaccaaac 450
tggttcttga acctctcggc cccaattctg aacattccca tcgtgcagtt 500
cttntttctca gtncttatcg gtttgatccc cgga 534

<210> 33
<211> 361
<212> DNA
<213> Homo Sapien

<400> 33
aaaaaaaaaa aaaactgcct ttcttcccct cagtcaactt ttgtgctcca 50

gaaaattttc tattctgtaa gtctgagcgt aaaacttcag tattaaaata 100
 atttgtacat gtagagagaa aaatgacttt ttcaaaaata tacaggggca 150
 gctgccaaat tgatgtatta tatattgtgg tttctgtttc ttgaaagaat 200
 ttttttcgtt atttttacat ctaacaaagt aaaaaaatta aaaagagggg 250
 aagaaacgat tccgggtggga tgattttaac atgcaaaatg tccctggggg 300
 tttcttcttt gcttgctttc ttctctctta ccctaccccc cactcacaca 350
 cacacacaca c 361

<210> 34
 <211> 513
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 25, 81, 107, 357
 <223> unknown base

<400> 34
 acccggcatt agggaggcga ggtgngcaat gtcttaaccc cgggctcaac 50
 cagtcctccg gcttctgctt cccaagggtgt ngggattgcc aggctggagc 100
 ccattgngcc cagtctattg tatagtttta aaaaaacaaa accaaaaggc 150
 taataaatgg cacccttttg caagctcttc cccctccctt tctttttcct 200
 tcccagtgtc tctactttct ctgacctagt tgacagcatt atacttttgg 250
 atgttggtag catgtataaa gtacattatt acataacaag ttaatataac 300
 ataatagttt caagggtttt gccacttaat tatactaagt tacttaacct 350
 ctcaatnctt tatctgtaga ttttggtttt gatagggtgg gatagtaata 400
 gtaactacaa ggtttcacaa ggttgtgaaa ttgaatgaga aatacatggc 450
 actttaacaa gtcactatgg attatttaat ttcttttctt cttcttctgc 500
 tgctgcttct ccc 513

<210> 35
 <211> 445
 <212> DNA
 <213> Homo Sapien

<400> 35
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 taaaagtctg tacatgttca gtacagacac agtctttttg aagtattttt 100
 tatccctcct ttgttgaatc ccattggatgc agaaccatgg atatgaaggg 150
 ctgactatat tctcacagtt atattcaagt tgtattttga atgattttat 200
 gacaatcttt taccaaaggg ccaactgtat tctcatgttt attattcaag 250

ttgtatgaca atttcatatc agccccccag agagttaggca tttggattga 300
aatcatactg agtctctaga ttaatttagg gagaagtgac atctttataa 350
ttttgaatct tcctatccat gtatatgca gtgttttgta tttcagtggc 400
attttcaaat tttcttcagg taggtctctt agtgtttatt cccga 445

<210> 36
<211> 526
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 25, 50, 60, 123, 127, 370, 395, 397-398, 402-403, 405-407
<223> unknown base

<400> 36
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tggaggattn actcctatgc tggcgacaac atcgtgaccc cccaggccat 100
ttaccgaggg gctttggatg tcntgcntgt cgcagagcac cgggcagatc 150
ccagtgcaaa gtctttgact ccttgctgaa tctgagcagc acattgcaag 200
caaccctgac cttgatgggg ttggcatcct cctgggagtg atagcaacct 250
ttgtggccac cgttggcatg aagtgtatga agtgcttggg agacgatgag 300
gtgccagaag atgaggatgg ctgtcattgg gggcgcgata tttcttggtg 350
caggtctggc tatttttagtn gccacagcat ggtatggcaa tagantnntt 400
cnngnnntct atgaccctat gaccccgatc aatgccaggt acgaatttgg 450
tcaggctctc ttcactggct gggctgctgc ttctctctgc cttctgggag 500
gtgccctact ttgctgttcc tgtccc 526

<210> 37
<211> 375
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 220
<223> unknown base

<400> 37
tttttttct tgtttaagct gactctttgc tctaattttg gaaaaaaga 50
aatgtgaagg gtcaactccc acgtatgtgg ttatctgtga aagttgcaca 100
gcgtggcttt tcctaaactg gtgtttttcc cccgcatttg gtggattttt 150
tattattatt caaaaacata actgagtttt ttaaaagagg agaaaattta 200
tatctggggt aagtgtttan catatatatg ggtactttgt aatatctaaa 250
aacttagaaa cggaaatgga atcctgctca caaaatcact ttaagatctt 300

ttcgaagctg ttaatTTTTtC ttagtgTtTgt ggacactgca gacttGtcca 350

gtgctcccaC ggCctgtacg gacac 375

<210> 38

<211> 493

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 28, 64, 159

<223> unknown base

<400> 38

cccaacttgg aggtggagac tatggagntg atcggatggg cccggggcag 50

actttccctc tggngctgtt ctctgatag tgaataaggc tcaccagatc 100

aggtttaaaa gtgtgtagcc tccccattct ctctcttctc catccagcca 150

tgtaagacnt gcctgcttcc cctcaccctt ctgccagggt tgtaagtttt 200

ctgaggcctc ccagccatgc ttccctgtac agcctgtaga accatgagcc 250

aattaaacct attttcttta taaattatcc agtctcaggc atttctttat 300

agcagtgtga gagtggacta atagagctag ttattagtag agccaagatt 350

taaattcgag cttgctgggt ccgagttct actttctcaa accctatgtt 400

aagctattgt ccacagcatt caacattgtt gaattatctt tgtcaactaa 450

ccttgggaagt cttaaatttt gtctaatcc tgtcccctat tcc 493

<210> 39

<211> 123

<212> DNA

<213> Homo Sapien

<400> 39

tttttttttt ttttttcttt tgtactgagc tcagcataga ctaatactac 50

cttaatgtta aaatctgaat ttcttttagc attttgctta aaagcaatat 100

gctatttgct tattccgtgc gaa 123

<210> 40

<211> 119

<212> DNA

<213> Homo Sapien

<400> 40

tttttttttt ttttttcttt tgtactgagc tcagcataga ctaatactac 50

cttaatgtta aaatctgaat ttcttttagc attttgctta aaagcaatat 100

gctatttgct tattccgtg 119

<210> 41

<211> 398

<212> DNA

<213> Homo Sapien


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<220>
<221> unsure
<222> 22, 61, 91, 144, 238-239, 262, 265-266, 271, 274
<223> unknown base

<400> 41
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gcagcacatt ncaagcaacc ccttgcccttg aagggtggtt ncatcccccc 100
tgggagtgaa tagcaatctt tgtggccacc gttggcatga agtntatgaa 150
gtgcttgtaa gacgatgagg tgcagaagat gaggatggct gtcattgggg 200
gcgcgatatt tcttcttgca ggtctggcta ttttagtnnc cacagcatgg 250
tatggcaata gnatnnttcg nggnttctat gaccctatga cccagtcaa 300
tgccaggtac gaatttgggc aggtctctct cactggctgg gctgctgctt 350
ctctctgcct tctgggagggt gccctaactt gctgttctctg tccccgaa 398

<210> 42
<211> 437
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 87, 97
<223> unknown base

<400> 42
aggtagtcct taaaaaaaaag tctcctctct gtacccttct tcaccaaatc 50
tacaactagg ttttttggtt ggaattttat tattagntac caaacanggt 100
aacatcttta catgccagat tccaaagata ccctagaaga gccagagggg 150
tgcaacttct ctctctcact ttgcattccc tcctaagaaa tacttgcccc 200
taactcaaag ggcagaagga gtccagggct ctttcagcat taaaattctc 250
tatagttttc tgggagaggg acatgttctg agtgtgagga gaactgttct 300
ggttattggt tataaattgt tttcatcttc tatttcttat aacagattat 350
aaatttatgt tttctgatgc ttcatactat tatgaggatt tggttggcaa 400
attatcttac aataaccacc catatattca tgcattgg 437

<210> 43
<211> 499
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 81, 93, 150, 340
<223> unknown base

<400> 43
ccaccaagag cctgaaggca gtcnctgtgt tccccctccg acctggcaga 50

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cctacgtgtt cctgctcttc tgcgggcgcct acctctacaa acagggcttn 150
gccatccccg gctccagctt cctgaatgtt ttagctggtg cttgtttggg 200
ccatggctgg ggcttctgct gtgctgtgtg ttgacctcgg tgggtgccac 250
atgctgctac ctgctctcca gtatttttgg caaacagttg gtgggtgcct 300
actttcctga taaagtggcc ctgctgcaga gaaaggtggn ggagaacaga 350
aacagcttgt tttttttctt attgtttttg agacttttcc ccatgacacc 400
aaactgggtc ttgaacctct cggccccaat tctgaacatt cccatcgtgc 450
agttcttctt ctacgttctt atcgggttga tcccatataa tttcatcga 499

<210> 44
<211> 494
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 37
<223> unknown base

<400> 44
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cctctgcca atagacttgc tgtcctaacc ctcgtttagg acttctcatt 100
tactgcagat attggtacac ataggtagtg ggcggctgcc tgagagagac 150
catttggtac ttcttttctt atctcaaagc tgcttcagtc tttgtgcaca 200
ggggatgctc agaagcgtgc cttctttcag ggagactggc catgcgcctg 250
agttagatga taacatggag gttcatcaca cgctgtctac ttgagtgtgt 300
ttttggaatt ctccataata aaaagttaaa aaatacaatt gataggttaag 350
agtaattgaa gtagtttcaa attggttagc tataaaatgc aactatgaag 400
aggattgtag gtaattaaaa tactaagatt gtattgagga gaaatatatt 450
attcagaaca atacctgtga catggcatta gtgacaaata tgac 494

<210> 45
<211> 561
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 28, 35, 73, 88, 153, 198, 292
<223> unknown base

<400> 45
ttcagagcca gaagggcctc gagctgcnag ccccntggaa tgaagcaggc 50
ctgggctgag gctggaaggg aanccctct aagctggncc gggggcggga 100

aaacttacca ccaggggact cgagatgggg aaggaaaggt cagaaagagg 150
 agnaggccca ggcacggggt gtgggcggcc tgcagagctg gagccagntg 200
 ctccgcccag agccaggcat gcacactcag agtaggtggc ctgtgccacc 250
 ggggaagagg ggcgggtcgg cgtgctgctg aagatgccag gnagctgccg 300
 gcctgctctg tgcgtgctga aaggtgtggt gagaagcact tacaaaaaga 350
 aatggactgt gttaggattg cacatcttac tttgtttctc ccaaatacgt 400
 tctctttgaa tttttttcct tccaggcca ggactggagt gatggttgag 450
 acaggcacgc actgggtctt gtctgcattt acattttgag attttgttca 500
 gcatggattt tatggcgttt tttgtttgt ttgtttgttc gttttcaaaa 550
 tactgcaccg a 561

<210> 46
 <211> 511
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 9, 25, 43-72, 178, 180, 355-356
 <223> unknown base

<400> 46
 ccagatttng tttctttctt ttttnaaaaa aagaaaaaaa aannnnnnnn 50
 nnnnnnnnnn nnnnnnnnnn nnatccttgg gtgtgggctg atcaccttga 100
 cctcaggtct ttgtgctatt gccctctctg cttttgggca ccttgacctc 150
 aggtctttgt gctattgccc tctctgcntn cgggcacctt gacctcaggt 200
 ctttgtgctg ttgccctctc tgctttgggc accttgacct caggtctttg 250
 tgctgttgcc ctctctgctt tgggcacctt gacctcaggt ctttgtgcta 300
 ttgccctttc tgctttgggc accttgacct caggtctttg tgccgttgcc 350
 ctctnngett tgggcacctt gacctcaggt ctttgtgctg ttgccctctg 400
 tgctttgggc actcttcctc agacctgtgc atcacattcc ctctcttcag 450
 ctctctgctc aaatgtcacc tccttctga catcttcctt gaccatccta 500
 gccaaaatac c 511

<210> 47
 <211> 470
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 113, 450
 <223> unknown base

<400> 47

cgccctagcc ctctgtgatt tcataatgct ggaagtatgc ttttttaaaa 50
 agtttaaatt cttgccaat tttactgtag cgggaataaa tacatgctag 100
 tattctgaga gtnntatgaa actagacata aaacaagtta aaattaatgg 150
 ggaaatggct agatgtccat gactgtcaga gtcagtacat tgtcagtatc 200
 ctccagaaat gtcactgata ttaagcaagc tgagttatct cgggcgttga 250
 atccatgaag aatgataaat gttttctcat cataacttatt cttagaatgt 300
 tgtgatactt ttgatatttc agttactcgt ctttaaaagg ggagtgcctc 350
 tccttgggcc ttgcctaaga gaagaaagaa agactatatt aagacagaaa 400
 acatggacat tttaaagaga cgaatacact gctatgtgaa ataccagttt 450
 tactcagtaa actccctcga 470

<210> 48
 <211> 543
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 46, 65-66, 80, 144
 <223> unknown base

<400> 48
 gcaggcccaa agaagaagct caggctgaaa tgaaccgtac cgcctnccga 50
 gggagaaaaga attcnnggcc aaggaaagctn cggcattggg atcccttggc 100
 agttgcagcc actgaagtgg agaaggagac ccaggagaag atgncctcct 150
 ccagacatac ttccggcaga acgggatgaa gtctggacaa cctcttggct 200
 tttgtctgtg acattcggcc agaatccctg aaaactaccg cataaatgga 250
 tagaagagag aagcacctgt gctgtggagt ggcatttttag atgccctcac 300
 gaatatgagc ttagcacagc tctagttaca tcttatgata tggcattaaa 350
 ttatttccat atattatata ataggtcctt ccactttttg gagagtagca 400
 aatctagctt ttttgtacag acttagaaat tatctaaaga tttcatcttt 450
 ttacctcata tttcttagga atttaatggt tatatgttgt ctttttttcc 500
 tatgtctttt ggtcgaagca acatgtatat cagtgttgac cga 543

<210> 49
 <211> 485
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 14, 484
 <223> unknown base

<400> 49

cgagacgcttg ggcngcgcca gcggccagcg ctagtcggtc tggtaagtgc 50
 ctgatgccga gttccgtctc tcgggtcttt tcttgggtccc aggcmaaagcg 100
 gagcggagat cctcaaacgg cctagtgtctt cgcgcttccg gagaaaatca 150
 gcgggtctaataaattcctct gggtttgttga agcagttacc aagaatcttc 200
 aaccctttcc cacaaaagct aattgagtag acgttcctgt tgagtacacg 250
 ttctgttga tttacaaaag gtgcaggtat gagcaggtct gaagactaac 300
 attttgtgaa gttgtaaaac agaaaacctg ttagaaatgt ggtgggtttca 350
 gcaaggcctc agtttccttc cttcagccct tgtaatttgg acatctgctg 400
 ctttcatatt ttcatacatt actgcagtaa cactccacca tatagaccgc 450
 gctttacctt atatcagtga cactggtaca gtanc 485

<210> 50
 <211> 525
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 255, 319-334
 <223> unknown base

<400> 50
 catgggtggtg cgcaactgta gtcccaggta cttgagaggg tgaggtggga 50
 ggatcatctt aaccccgggg agatggaggc taaaatgagc tgtgttcaca 100
 ccactgtacc ccagcctggg caacagaata agacgctgtt tcaaacaaaa 150
 atgtgtaact caaaaacagc aaaatgctta gttcttttga aatgcaacat 200
 tttaggctac tggtttatttg ccaatagaac ttttttttct ctctctctcc 250
 ttatntgtaa acttagctat atatgtttct cactcttggg tctgtgtact 300
 tcaaaatctt ttagaaatnn nnnnnnnnnn nnnnaaaaaa aaaaatggaa 350
 taatacaaaa ttatactaag attcattcat gttatttttt gtggctgcag 400
 tgcattcatt tccactatat agtatttcat tgtctgatgt accagaattt 450
 atccactctc tttttgatgc atgtttggat ttgcagtctt ttgctttatg 500
 aaaagtgtg ctgtaaaaaa tatta 525

<210> 51
 <211> 150
 <212> DNA
 <213> Homo Sapien

<400> 51
 tttttttttt ttttttttgg ttgttgttgt tgtagtagtc tgggtgtggc 50
 cacatttaag tcttaaaaat ttttaaattt tggtgttgat gttttagtag 100
 agccctgttg ttgaaatcat ggctttattc attttattta ttttcgaacc 150

<210> 52
<211> 179
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 43, 133, 162
<223> unknown base

<400> 52
tttaatagtt attcgtcttc tgttgatatg ncatttaagt tgnttatatg 50
tttctgttat taaccctttg tcccacgtat gatttgcaaa tattttctcc 100
catttttttt cagttgtctc attttggtga ttntatcaga ttccatgaag 150
cagcttttta anttcaagaa aaacgaatc 179

<210> 53
<211> 324
<212> DNA
<213> Homo Sapien

<400> 53
cggaagtccc ttgaggagcg tcagaagcgg cttccctacg tcccagagcc 50
ctattacccg gaatctggat gggaccgctc cgggagctgt ttggcaaaga 100
tgaacagcag agaatttcaa aggaccttgc taatatctgt aagacggcag 150
ctacagcagg catcattggc tgggtgtatg ggggaatacc agcttttatt 200
catgctaaac aacaatacat tgagcagagc caggcagaaa tttatcataa 250
ccggtttgat gctgtgcaat ctgcacatcg tgctgccaca cgaggcttca 300
ttcgttcattg gctggcgccg aacc 324

<210> 54
<211> 391
<212> DNA
<213> Homo Sapien

<400> 54
cccactcaga tctactgaaa ctgaaaacct gggagcaggg cccagcaatc 50
aagagttttt aacaaacctt cctggctcatt ttgatgcaca cgcaagtgtg 100
agaacctgtg cccttttagga ggatttcctt ttcctcacta aaagccccct 150
gaaagatgcc tccaggggtat gcctctgtgc cctactgccc actgctgctt 200
tcctgtttcc taggaatccc ctttatgaag taccatcctt ccagaaagat 250
ttcttaccta ccttgaaagg atcttggtt ctccacaagg ttactccatc 300
ctctgagcag ttatttccga ttctactttt gaatggtttc ttttcagatc 350
ttcctcagtg ctttctcttt ctggctaccc ctcaagccc a 391

<210> 55
<211> 280

<212> DNA
<213> Homo Sapien

<400> 55
atatatatat aaatatagaa atatatatat agaaatatat atatattctt 50
ctccatatcc aaaagcaaga ttacaaatctt cagttgaggg taatagcact 100
taaagtagga acagagattc tttatgtgtt agcataattc ttttttatta 150
caattctgtt actaaagaat caggtgtcat taaaggtgaa catggttacc 200
ttcaccttct gcacagcagt ttttcatata cttgaagaca ttaaatcccc 250
ttccccatcc aacttaattct tttccagcga 280

<210> 56
<211> 485
<212> DNA
<213> Homo Sapien

<400> 56
cggacgcgtg ggcggacgcg tgggtggcct tagagtagtt ttttgagcat 50
ttattgtgct tgggtgttctc tgaacttctc tagatctgtg gtttggtgtc 100
tgacattaat ttggataaat tttcagtcac tgttggtttta aatatttctt 150
ctcttccttt cttctcctct tgggtactttc atgtgtttat attacacctt 200
ttgtacctgt cccagagttc ttgggtatta tcttctgttt ttttttgggc 250
cttttttttt tcccttttgtt tttcagtttg tattgataca tccttaagct 300
cagagattat tctttttttc agcgggtgtc actctcctaa tgagcccatc 350
agtggcattc ttcatctctg tcaccatgct ttgctctctg gcacttcttt 400
tcattttttt cttagaattc ctatctccct gctcatgctg cccacctgtt 450
cctgcaagct gcctactttc tccattagag tcctt 485

<210> 57
<211> 260
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 42, 53, 93
<223> unknown base

<400> 57
tgggtgtctt cccaccacag cccngagagt cagtcatttt tncaaagaag 50
ccntgggttg ctttgtggag aatgatatat gttattatta ttntccgcag 100
ccaacatgac cgctcctctg gtgtctttcc caccacagcc cgagagtcag 150
tcatttttca aagaagcctg gttggctttg tggagaatga tatatgttat 200
tattattttt tgttttggtt tgttggtgtt tttagacagt ctcgctcttt 250
gcccagccga 260

<210> 58
 <211> 344
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 17, 66, 76, 92, 148, 174, 178
 <223> unknown base

<400> 58
 ggagtaaaaa gactgtnaaa catttttttt taaaaaatta tttttacatt 50
 acgacaatat atttanggat gtgttnagat caaaaattaa anttctgtgt 100
 cccagatcta ctttcaaagt gagattttca cttgtcagct taaatttntg 150
 actagaacta acatttgtgt attnttgngc ttagtcggaa tacaaatttc 200
 acagtggatt tttgaagttt gtccttaa at tggataaaat caagtgatta 250
 aagttactaa agagataaaa atggtaattt ccatttttaa aagtaatttg 300
 gttgtgttta tagttatttg tacaagtatt tatcacagcg aacc 344

<210> 59
 <211> 495
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 39, 58, 130, 234, 314, 364, 427, 450, 461, 476
 <223> unknown base

<400> 59
 agcaatgccc tgccccagtg ggaggattaa ttcctatgnt ggggacaaca 50
 ttgtgacngc ccaggccatg tacggggggc tgtggatgtc ctgctgtctg 100
 cagagcaccg ggcagatcca gtgcaaagtn tttgactcct tgctgaattt 150
 gagcagcaca ttgcaagcaa cccgtgcctt gatggtgggt ggcattcttc 200
 tgggagtgat agcaatcttt gtggccaccg tggnaatgaa gtgtatgaag 250
 tgcttggaag acgatgaggt gcagaagatg aggatggctg tcattggggg 300
 cgcgatattt cttnttgacg gtctggctat tttagttgcc acagcatggt 350
 atggcaatag aatngttcaa gaattttatg accctatgac cccagtcaat 400
 gccaggtacg aatttggtca ggctttnttc actggctggg ctgctgcttn 450
 tttctgcctt ntgggaggtg cccanttttg ctgttcctgc gaacc 495

<210> 60
 <211> 266
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure

<222> 37, 56, 116, 190, 210
<223> unknown base

<400> 60
aacttgtcag aggcaagtgt ccagagtttt gctatanatt cattatggaa 50
ggtttnacct tattgaaatg acagttcccc accttttagca ttttatattg 100
ttccattaac tgtcanacaa acattcctgc aaaatatcag ttcaggaacc 150
aaacttactt tccctgagat ggtaaccgtt tcacagcctn tcatattgct 200
gcttcattan gtgatgaagt ctaaacacgt aaatgggtgac cagttaaaac 250
acacacctgc cgaacc 266

<210> 61
<211> 421
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 3, 5, 22, 142, 147, 186, 198-200, 205, 260, 296, 306, 314
<223> unknown base

<400> 61
ccnanggggc cggttttttt gnatttttag tagagacggg gtttcacat 50
gcaagcccag ctggccacgt aggtttttaa gcaaggggcg tgaagaaggc 100
acagtgaggt atgtggctgt tctcgtggta gttcattcgg cntaaanaga 150
cctggcatta aatttcaaga aggatttggc atattntttt cttgaccnnn 200
ctctntaaag ggtaaaatat caatgttttag aatgacaaag atgaattatt 250
acaataaatn tgatgtacac agagtgaac atacacacat acaccntaat 300
caaaangttg gggnaaaatg tatttggttt tggttcctttc atcctgtctg 350
tgttatgtgg gtggagatgg ttttcattct ttcattactg ttttgtttta 400
tcctttgtat ctgaacgaac c 421

<210> 62
<211> 390
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 35, 37, 79, 91, 98, 155, 162, 170
<223> unknown base

<400> 62
agagacgggg tttcaccatg caagcccagc tggcnangta ggtttttaaag 50
caaggggctg gaagaaggca cagtgaggna tgtggctgtt ntcgtggnag 100
ttcattcggc ctaaataagac ctggcattaa atttcaagaa ggatttggca 150
ttttntcttc tngacccttn tcttttaaagg gtaaaatatt aatgtttaga 200

atgacaaaga tgaattatta caataaatTT gatgtacaca gactgaaaca 250
 tacacacata caccctaatac aaaacgTTgg ggaaaaatgt atttggtttt 300
 gttccctttca tcttgtctgt gttatgtggg tggagatggg tttcattctt 350
 tcattactgt tttgttttat cctttgtatc tgaacgaacc 390

<210> 63
 <211> 448
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 25, 61, 77, 80, 93, 147, 175-176, 234
 <223> unknown base

<400> 63
 tcttttagaga tctttgactt gaccnaaggg tccgcaaagg gttcggggtt 50
 tttgtatttt nagtagagag gggtttnacn atgcaagcca agntggcaaa 100
 gtaggtttta aagcaagggg cgtgaagaag gaaacagtga ggaatgnggc 150
 tgttttcgtg gtagttcatt cggcnnaaat agacctggca ttaaatttca 200
 agaaggattt ggcatttttt tttcttgacc cttntcttta aagggtaaaa 250
 tattaatgtt tagaatgaca aagatgaatt attacaataa atttgatgta 300
 cacagactga aacatacaca catacacct aatcaaaacg ttggggaaaa 350
 atgtatttgg ttttgttctt ttcacctgt ctgtgttatg tgggtggaga 400
 tggttttcat tctttcatta ctgttttggt ttatcctttg tatctgaa 448

<210> 64
 <211> 245
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 73, 114, 120, 122, 184, 205
 <223> unknown base

<400> 64
 gtgtgtgtgt gtgtgtgtgt gtgtatgtgt atatatatat acatatatat 50
 acacatatgt atgtatacct aantcctaaa gtggaacagt aagagtcatt 100
 atttatagat tatntgattn tntatgtgga aagagaaaag aatcatatta 150
 agtacttttg actgaacaat gacccccaaa attngtatga tgatgaagct 200
 ctctntaaat attttcttgc tttactggac tgattttaac ccgct 245

<210> 65
 <211> 381
 <212> DNA
 <213> Homo Sapien

<220>

<221> unsure
 <222> 21, 59, 65, 80, 116, 155, 180, 188, 202, 223, 236, 246, 341, 361
 <223> unknown base

<400> 65
 agggatccag gttggtagag naatcccggc cgggtttccca gagatgttta 50
 accagcacnt gcttntgaga cttegttttn tgttccagca accctgggtg 100
 gggggtcaga cttganacac tttcagggtg ggagtggacc caccacaggg 150
 cctgntgagg acagagcagc caggccgctn tggctaantt tgcagttggc 200
 antgggttgg ggaggaagag agntgatgag tgtggnttcc ctgagntggg 250
 gtttccctgc ttgtccagtt gtgagctgtc ctcggtgtta ccgaggctgt 300
 gcctagagag tggagatttt tgatgaaagg tgtgctcgct ntctgcgttc 350
 tatcttctct ntctccttg ttctgcgaaa c 381

<210> 66
 <211> 321
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 28, 36, 144, 146, 161, 170, 205, 210, 213
 <223> unknown base

<400> 66
 acttaaaaat attggtgagt tctaaacnga tttttngtat atatcataca 50
 tagaaaatat taaatTTTTTg ttctaaaaca accaaaaatg gagcatacat 100
 ttagagtggc atttgttgca tattattaaa caaatgaaac tgantntttt 150
 ttcatcctga ngcagattan atcccatttt aatctttttc ctctctcctt 200
 ttctnaaccn acntcagagt atcctgtaac agctgtccct atagttttca 250
 aggaaagtga taataatgag attacttctt ctttcategt ttattttttt 300
 gggaggatgg ggaaaccaca c 321

<210> 67
 <211> 123
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 53, 75, 100, 110
 <223> unknown base

<400> 67
 tccctgaat attcaggagg gagaagcaat cggcccagga cagagacggg 50
 ganatcccag gagcagggtg caggntttag caatatccat cttgcggtan 100
 tccctccctn acaacaacca gac 123

<210> 68

<211> 521
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 30, 66, 73, 97, 116, 134, 182, 187, 262, 364, 432, 477, 507
 <223> unknown base

<400> 68
 aaatgaccta taaataagtt ggtttgggan attattatatt ttttagcatt 50
 attttttaaaa tagatnatgg ttnatatatta attggaattc cataatntaa 100
 tgtactgata ggtaantttgt gtggaaattg tttngcagac ataaattact 150
 aaataaatgt tctgttttca gatagtttag tntttgngac attaagtatt 200
 gggacagatt gttttgactc caattaatat tctgaaattt ttctcctttc 250
 attacctacc tntccattat gcctcagttg taacgggtgag taaaactatt 300
 tttgtgtctc atacttttctt tatcttttaa ctttgtttta cacagtaatt 350
 attttcaacc attntttgtct aactgcacct cgctgcatgg ttcttctctg 400
 tgtcccacca accagccgcc acattttacc anatgttccc agtgttcatg 450
 ggccctttcc acccttgtct caaaatntcc ctattgattt tattttgctt 500
 ttgttantcc cttcaaacgc c 521

<210> 69
 <211> 382
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 30, 155, 170
 <223> unknown base

<400> 69
 agagacgggg tttcaccatg caagcccagn tggccaagta ggttttaaaag 50
 caagggggtgt gaagaaggca cagttaggta tgtggctgtt ctctggtag 100
 ttcattcggc cttaaataag ctggcattaa atttcaagaa ggatttggca 150
 tttntttttc ttgacccttn tcttttaaagg gtaaaatatt aatgtttaga 200
 atgacaaaga tgaattatta caataaattt gatgtacaca gactgaaaca 250
 cacacacata caccctaatac aaaacgttgg ggaaaaatgt atttggtttt 300
 gttcctttca tcctgtctgt gttatgtggg tggagatggg tttcattctt 350
 tcattactgt tttgttttat cctttgtatc tg 382

<210> 70
 <211> 405
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 33, 43, 58, 98, 110, 122, 125, 191, 226, 232, 234, 251, 321
 <223> unknown base

<400> 70
 acaccaatgc agtgaggtcg gggattcccc aantggatcc atngcaccag 50
 gttcaagnta acccccaagg cagttttttc ttccaaaaca ttaacagnta 100
 agtgtttgn tgggccaatt tntcntacca agtttaaatt aaccaacatt 150
 ttttttttaa aacccaaaaca caaggaagac taaccacgtg nttccaggaa 200
 tggcctgtat ttacccaacc actttntata cntnttttcc aacccaaagt 250
 nttaatatgg gaatatccct caccacgac ctaatactgt cagtagctgt 300
 cctgctgtcc acagcagccc ntccgagctg ccgtgagtgt tatcagtttt 350
 tgcactacag aggggagatg caacaatact ttacttacca tactcatata 400
 gaaag 405

<210> 71
 <211> 526
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 26, 44, 54, 143, 244, 351, 504
 <223> unknown base

<400> 71
 gttcaggacc aagcggtaag aaggcntgag gaccaggcc ccantggagc 50
 agtntgtcct tatgccgaat caaggcggaa catgggtgaa agacgagtaa 100
 ggggcaaatac acagaatatt ccacagcgcc ctccagagtt acntggggag 150
 gaccgaggcc acacgccact gcccccgagg ccagagtgt agtaaaggat 200
 aaccaggact cgctgggaga gatggattct gtcctcagca acantccaca 250
 gcagaaaaggg gtagcaggta ccccttttta tcagcggtaa aaatgcattt 300
 acaacctttc atttaaccga aaaacacaga ccgctttaac ctttttattt 350
 ntgtcccca ctgcatgaac atttatacaa ttttaaaaat acttcctcat 400
 aggatgcttt ggcccttcat ctatttaata atagctacat acctattttt 450
 tataagtagc agtacacatt caaaggggta ttcctagctc aatgcttggt 500
 gttntagttc aactttttatc ctgcag 526

<210> 72
 <211> 366
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure

<222> 24, 274, 348
<223> unknown base

<400> 72
tagaaataac ccttttcctt attngatttt agtcatcaaa catagtatga 50
tatgggaaaa gtcagccatt taccagaaat tatcttattt tgatttttaa 100
aactcatttc tatatgtagt tattgtaatg tctatttttt tagacttaaa 150
gatttataga agactatagt tatctgattt gttatttggc attttttcat 200
tctgtaaate tttgcttatg gcacattgtg ctctctgttt tccatggttt 250
tattcattta tctcctccta tttngagggg acaacatggg tagttaaatc 300
tttgtcaata gtattggaga taacactaac tgctattatc ataacatntt 350
catttttact gcatgc 366

<210> 73
<211> 634
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 10, 59, 62
<223> unknown base

<400> 73
ggactgaatn cacttgtaat ggtgaccact gaaagctgca gagggacagt 50
aggatttttna tnaaatgcct tatatggcat tctatatgaa gaacctctga 100
acccaaagta tattatttag aaagaaagat aaagagatat aagcaaagta 150
agaatatatc ttaaaagtat cttataaacc attaacttat agtggttaaga 200
taaaccctct atcagcagga aaatacctgc atatgcatac ataaggaaga 250
ctgtgcacct aatctagga tacataataa ggtggactct gtatttagtag 300
taagtatttt tataaaataa tacttagaac aaattatata agataattat 350
aaatattaag atctttatat tgcattgctt ctgacttaaa aaatgaataa 400
ataaatgggg tcttgctatg ttaccagggc tggaatgcag tggctattta 450
caggcacaat catagtgcac tacagcccca aactcctggg ctgagcaat 500
cctgttgccc agcctcccag gtagctggga ctatatataa gcaggcacca 550
ctgtgcctgg ctgcttctga ctaatccaag taagaataat aaatctatga 600
caaagttata cacaatctcc taccctacc tcag 634

<210> 74
<211> 493
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 31, 42, 60, 114
<223> unknown base

<400> 74
atggaaccca gttggaacc actcttcacg nttatattatc cnggggaact 50
tcccccaacn tagccaaggc ttcggttgag ttctcactcc aaaggtggga 100
actggaccat gggnacactt ggacacggat ggggaactca cacaccgggc 150
ctgtcttggg gtggcggtag ggcgtagcga tagcatagga gatacaccta 200
atgtaatgac gagttatggg tgcagcacac caaatggcac tgtatacgta 250
tgtaacaaac ctgcacttgt gcacatgtac tctagaactt aaagtataat 300
ataaaaaattt taaaaatttt aaaaaataa aaaaatcact gggctaaagt 350
aaataagtat tttactgggt ctaagattgt ttttcagaga gaaaaacaat 400
agaagtgtag aagcaattcg ataaagaaag gagtcttttc aacaaatgtt 450
gctgcaacag tcaaatgtct gtatgcaaaa aaatgaacct cca 493

<210> 75
<211> 255
<212> DNA
<213> Homo Sapien

<400> 75
tggaaaaaaa aaaaaaagc cccttttcag tttgtgccac tgtgtatgg 50
ccgtgtagat tgatgcagat tttctgaaat gaaatgtttg tttagacgag 100
atcataccgg taaagcagga atgacaaagc ttgcttttct ggtatgttct 150
aggtgtattg tgacttttac tgttatatta attgccata taagtaaata 200
tagattatat atgtatagtg tttcacaaag cttagacctt taccttccag 250
ccacc 255

<210> 76
<211> 627
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 20, 47, 56, 66, 144, 163, 169, 294, 367, 395, 583
<223> unknown base

<400> 76
tttaggggttc cttgacttgn accaagggtt cggggaaatt taaaggntta 50
aggaanggga ggaaangttt cttaaatttg gaattaacag taataatttt 100
tggaatttcc aataaaattg gcaaaagatt gggaaatttt ggangaataa 150
gggaaacaga tanttttcng ggtattcagg taaagttaa aaaaggtttt 200
aaaagagagt ttttctaaca ttttgaaaag caacatgaaa aatgaaaaca 250
gttttaacag atatacaata tggatgactt atatacaaat gacnttaaaa 300

tatattaaat tcattatagt agttatattt aagtaaaata tgatgaaatt 350
 taatagagat tcactcntcc caaaagcacc ttcatggaag attcntcatt 400
 aacaggcagt ccttttagtat gctgatttat acaaaatgct gaaaagaaga 450
 gaaatacccc aagttcttga aaaaaaattt tttgatatga ctactctaac 500
 agtaataact ataaatctca ctttaaataa tttaaaacaa attaaagtga 550
 tatatgagtt aaatgaccaa gcagacttga ttntaggaat gttaaggaat 600
 gttcattatt tgttttggat aatgaag 627

<210> 77
 <211> 507
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 58, 60, 98, 107, 116, 240, 276, 432, 500, 502
 <223> unknown base

<400> 77
 tttgaaaagt ttaaaaggga ggaagtgggt tttatgattt ggccgtttcc 50
 gggtgccttn cagagagttc cttgccttcc ctgcccttga aggtgacntg 100
 tggcccnttt gggtgntgat ggacctgtgt tcccaccctg gttcaaaaag 150
 caaagaaaag ggagtgggtat cagaaaatgg aagaagagag taaagaagac 200
 agtgctggct tgagagaagc agtggcttca ggtaaaaggn tactgccagc 250
 gatatggacg ggagacagag aaatgntaga agagggcggt tccccaacaa 300
 agggccccacc cacaagcctg gacacctgtg gccctaaatg agaacaggca 350
 ttctgttttt tgcacccaaa aagtgggttt ttggtatgcc acacccccta 400
 tcctataccc atataaacc tgaaccccag gntccagctc agaccagcag 450
 aggaggagac gagacaagca gacaatgcag aacagtgcag cagagagaan 500
 tngagag 507

<210> 78
 <211> 478
 <212> DNA
 <213> Homo Sapien

<400> 78
 ccacggtgtc cgttcttcgc cggcgggcag ctgtccccga ggcgggagga 50
 gcccagagggg cgcgagcccc gcatgaatca ttgtagtcaa tcattttcca 100
 gttctcagcc gttcagttgt gatcaaggga cacgtggttt ccgaactgcc 150
 agctcagaat aggaaaataa cttgggattt tatattggaa gacatggatc 200
 ttgctgccaa cgagatcagc atttatgaca aactttcaga gactgttgat 250

ttggtgagac agaccggcca tcagtgtggc atgtcagaga aggcaattga 300
 aaaattttatc agacagctgc tggaaaagaa tgaacctcag agaccccccc 350
 cgcagtatcc tctccttata gttgtgtata aggttctcgc aaccttggga 400
 ttaatcttgc tctactgccta ctttgtgatt caacctttca gcccattaga 450
 acctgagcca gtgctttgtg gagctcac 478

<210> 79

<211> 637

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 17, 54, 66, 113, 124, 160, 163, 165, 170, 179, 204, 259, 299,
 382, 384, 487, 634

<223> unknown base

<400> 79

gtttgtccct ttttcnngtt ttttttggac aaattcagta taccaagcaa 50
 catnaattcc agtttnggtg gattcccggg gtcttttggg atccttgact 100
 tgaccaaggg tcngggccctt ttcngttggg acgtttgtaa gttttgggca 150
 gtttcgggn gantngggan tcgggtttng ctttctgtgt tccattcgcc 200
 cggngcgggtg gtgcaggttt tcgggctagt catgggtccc cgtttcggag 250
 actgcagant aaaccagtca ttacttgttt caagagcgtt ctgctaant 300
 acacttttat tttctggatc actggcggtta tccttcttgc agttggcatt 350
 tggggcaagg tgagcctgga gaattacttt tntnttttaa atgagaaggc 400
 caccaatgtc cccttcgtgc tcattgctac tggtagcgtc attattcttt 450
 tgggcacctt tggttggttt gctacctgcc gagcttntgc atggatgcta 500
 aaactgtatg caatgtttct gactctcgtt tttttggtcg aactggtcgc 550
 tgccatcgta ggatttgttt tcagacatga gattaagaac agctttaaga 600
 ataattatga gaaggctttg aagcagtata actntac 637

<210> 80

<211> 294

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 18, 42, 105, 198, 205, 266

<223> unknown base

<400> 80

ggcggtatct tttttgcnag ttgcaattgg gggcaaagggt gncctggag 50
 aataattttt ttttttaaaa tgagaaggcc accaagtccc cttggtgatc 100
 attgntactg gtaccgtcat ttttttttg ggcacctttg gttgttttgc 150

tacctgccga gtttttgcac ggatgctaaa actgtatgca atgtttcnga 200
 ctctngtttt tttggctgaa atggctgctg ccatcgtagg atttgtttcc 250
 agacatgaga ttaagnacag cttaagaat aattatgaga aggc 294

<210> 81
 <211> 436
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 53, 58, 78, 148, 162, 253, 281, 336, 399
 <223> unknown base

<400> 81
 gtatggcaga ggataaggcg ttatgagaag ctgccaaagt tcagatgtgc 50
 agntgggntg aataccgacg ccagcgcnta gcgcccatta ctttgcaccc 100
 acacttagga aacaaccac gcctcaccgc gggacccgga cccagccntc 150
 cagcaccag cntccggttc cgacgtccgc gcgtgacctc cgggtaccgg 200
 aggaccttgg gacgaggagg tccctccgct ttccggtagg atatatctgc 250
 atnttgaaag gaagataaaa caaaagcctt ntttggaata gatggatttt 300
 tgtcactttc tgtgtgaact aaagtgattc aatgtntctt ttggattgct 350
 tctgcacttc aagaacacaa gttgaatcac tcagacctga aaaacagtnt 400
 gaaaccagta tccatcaata cttggttgat gagcca 436

<210> 82
 <211> 670
 <212> DNA
 <213> Homo Sapien

<400> 82
 actgatcaaa ggcaggcgat acttcctggt gccgggacgc tatatataac 50
 gtgatgagcg cacgggctgc ggagacgcac cggagcgctc gccagccgc 100
 cgcctccaag cccctgaggt ttccggggac cacaatgaac aagttgctgt 150
 gctgcgcgct cgtgtttctg gacatctcca ttaagtggac caccaggaa 200
 acgtttcctc caaagtacct tcattatgac gaagaacctc tcacagctg 250
 ttgtgtgaca aatgtcctcc tggtacctac ctaaaacaac actgtacagc 300
 aaagtggaag accgtgtgcg ccccttgccc tgaccactac tacacagaca 350
 gctggcacac cagtgcagag tgtctatact gcagccccgt gtgcaaggag 400
 ctgcagtacg tcaagcagga gtgcaatcgc accacaacc gcgtgtgcga 450
 atgcaaggaa gggcgctacc ttgagataga gttctgcttg aaacatagga 500
 gctgccctcc tggatttgga gtggtgcaag ctggaacccc agagcgaaat 550

20250909

acagtttgca aaagatgtcc agatgggttc ttctcaaatg agacgtcatc 600
taaagcaccc tgtagaaaac acacaaattg cagtgtcttt ggtctcctgc 650
taactcagaa aggaaatgca 670

<210> 83
<211> 427
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 131, 150, 225, 352
<223> unknown base

<400> 83
aggctttcat tccccaccta nggagttaat tttttggatt aaaaggtttt 50
tagaactttt tgttgatggt tggttttatt aaggcccgga agaaacattc 100
agattcgatt gaggaccagg aaatggcctt ntagggaaga gaaggcattn 150
tgctagatgg cttttaaaaa tttttccgcc agagtcactt gtctcattaa 200
caacagtttt tgtcttagaa gtctntctgt gatctttataa actagcatga 250
ttttgttatg aatgcatgct gctctgggtc tctaataagc ccaacatgca 300
tttgcacatc gtcggcaata agcacttttt ttgctgtggt aacaatgtca 350
tnttcattgt tgtgtgcctg tgttttgact gtgacctgtc acatgagggt 400
gggtgtggaa ttttccactt gtggcaa 427

<210> 84
<211> 371
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 178
<223> unknown base

<400> 84
tctttggagc tgcaggaggg acggatggcg gaaccttcca gtccccctca 50
gaggcgactg ccaactgccc ggccgtgcct ggactcccta cagtgggtccc 100
tactctctgt actccctcgg cccctgggaa taggactgtg gacctcttcc 150
cagtcttacc gatctgtgtc tgtgactnga ctcttgagc ctgcgatata 200
aattgctgct ggcacagggg ctgctatctt ctccatccga ggacagtttt 250
ctcctttctg cttccaggca gcgtaaggtc ttcaagctgg gtttgtgtag 300
acaactctgt tatcttcagg agtaattccc cgtttccttc aagagttttc 350
atggattcta atggaatcag g 371

<210> 85
<211> 324

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 33, 167
<223> unknown base

<400> 85
caggaacctc tttaagaaag tntattgtta ctnaaaacac accactgtct 50
tctggatgct tttctggttg cctttgaagt tcatgcaggt ggaggacgtg 100
gacattgacg aagttcagtg tattctggct aacttgatat acatgggaca 150
cgtcaaaggc tacatcncgc atcagcatca gaagctggtg gtcagcaagc 200
agaacccatt tcctcccctg tccacgggtg gttgaaagta cacggagccc 250
cgaggacggg tgagcagttg tttctttcca ctttggttgt gctgatgaga 300
ccggtccggt actgcaacaa ggcg 324

<210> 86
<211> 514
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 20, 38, 64, 358
<223> unknown base

<400> 86
caacattctg gaccactaan cctctcttgg caacactngt tggacagatc 50
ctgaagatat gggngaccta ttcctagaat gttgctgaag cttttctgga 100
tggtggtgaa tataattctg cacttcccct cctcagtgtc cttgtttgct 150
ctgaaagata caaccttgca gtagtttggc ttcgtcatgc agaattgttta 200
aaggccttag gctatatgga gcgagctgct gaaagctatg gcaaggtggt 250
tgatctggcc ccaactccatt tggatgcaag gatttcactt tctacccttc 300
agcagcagct gggccagcct gagaaagctc tggaagctct ggaaccaatg 350
tatgatonag atacttttagc acaggatgca aatgctgcac agcaggaact 400
gaagttattg cttcatcggt ctactctggt gttttcacia ggcaaaatgt 450
atggttatgt ggatacctta cttactatgt tagccatgct tttaaaggta 500
gcaatgaatc gagg 514

<210> 87
<211> 84
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23

<223> unknown base

<400> 87

aaatgtatgt atcatcagtt ggntacgttt tggttctatg ctaaactgtg 50

aaaaatcaga tgaattgata aaagagttcc ctgc 84

<210> 88

<211> 588

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 22, 53, 67, 91, 110, 195, 208, 424, 484, 487, 572

<223> unknown base

<400> 88

cgggtaactt agtgtttttg cnacaaggga aatttttttt tcagccaggg 50

ggngggggcc ctgtggnatc ataaaaaggt cctggcatgg ntaacagcca 100

ttttggccan tttgccggaa tttgtggttt ataaacttca gatggaagac 150

cagaaataac aagtgtgcat ttagcagaat tcccttcctg ccagntgatg 200

agacattntg gaagcatttt ctgactttaa aaatgaacat ttcggttctt 250

gtcctcccc tattttatttt tacattttctc tatgtgcaaa tgagaaaaac 300

actaagggtc agggagcaga ggtatagcct tttcaagctt gtttttgcca 350

taatggtagt cttccttctg atgtgggcgc cctacaatat tgcatttttc 400

ctgtccactt tcaaagaaca cttntccctg agtgactgca agagcagcta 450

caatttggac aaaagtgttc acatcactaa actnatngcc accaccact 500

gctgcatcaa cctctcctg tatgcgtttc ttgatgggac atttagcaaa 550

tacctctgcc gctgtttcca tntgcgtagt aacacccc 588

<210> 89

<211> 521

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 66, 72

<223> unknown base

<400> 89

caggaatctc gaacactggc tcttcccctt agttcccgc ctcggagtca 50

gcaagcaggg ggagtntgag gncctggga cagctctgac tctggctgac 100

acacctgcct ctgggcaagg gtggtgcata tctgaggcgg acaggcacac 150

atggagaagt cagagtccac gccctctgct ccatcccagt agccaccgtc 200

tcaactcagc cctcgtcac ttcacacttt ggagtggtt tctgtccact 250

cagctgggtc agttggctct atcacatctc ccggcctcta gggttggctc 300

aggccacact ccgtcctctc atagggctgg ccaccaacc atatcactcc 350
tctcacggct ttttaaggata aagtttgaag ccttaaggat acgtcacagg 400
tcctctaggc cctgcttacc tcagcttctg cctagaagtt tatgccccag 450
aaacagtgaa acctccatgt ttaccctcac acaacctgtg tgtctcaaca 500
ccatactttt gtcatactg g 521

<210> 90
<211> 613
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 43, 120
<223> unknown base

<400> 90
tccgggcccc cggggacgct gtccctgaac ttgccgggga gcngcccccg 50
gcgtcccgcg cgtccccgcg tccttggaac ttcccgaact cccaacgggc 100
tcctgctgg cagccccgn agccgcacca tgttcgcct ctggttgctg 150
ctggccgggc tctgcgccct cctggcgctc agaccgggtt ttcaaaattc 200
acttctacag atcgtaattc cagagaaaat ccaacaata caaatgacag 250
ttcagaaata gaatatgaac aaatatccta tattattcca atagatgaga 300
aactgtacac tgtgccacct taaacaaaga tatttttttag cagataattt 350
tatgatctat ttgtacaatc caaggatcta tgaatactta ttcttcagat 400
attcagactc aatgctacta tcaaggaaat attgaaggat atccagattc 450
catggtcaca ctcagcacgt gctctggact aagaggaata ctgcaatttg 500
aaaatgtttc ttatggaatt gagcctctgg aatctgcagt tgaatttcag 550
catgttcttt acaaattaaa gaatgaagac aatgatattg caatttttat 600
tgacagaagc ctg 613

<210> 91
<211> 445
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 45, 68, 107, 113, 118, 405-406, 419
<223> unknown base

<400> 91
ttgagctcga tatccacag agcntccagc agaacgggtc cctntacat 50
cccacgttta cttcacnaa gagggttc ccaccagac ccccgcaaa 100
agccctntac ccnccgntt gccacagtc acatgtccc gatgatcaac 150

aatacaagcg cagacgattt cagaaaacca agaaactgct gacaggagag 200
 acagaagcgg acccagaatg atcaagaggg ctgaggacta tgggcctgtg 250
 gaggtgatct cccattggca ccccaacatc accatcaaca tcgtggacga 300
 ccacacgccg tgggtgaagg gcagtgtgcc cctccccctg gatcaatatg 350
 tgaagttcga cgccgtgagc ggtgactact atcccatcat ctacttcaat 400
 gactnntgga acctgcagna ggactagggc cccatcaacg agagc 445

<210> 92
 <211> 398
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 43, 63, 74, 113, 138, 148, 158, 178, 208, 252, 259, 262, 302,
 317, 346, 369, 371, 379
 <223> unknown base

<400> 92
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 ggtccccctg acngaacc aaatnatctt ccaagtgtct tcaaaaagat 100
 tttctgcaa ggnggccttc cgggtcgtat actacacnta cctgcganga 150
 gggatttntc agcttgtggg gcggaantc ggccaccatg gtgtgcgtgg 200
 tgccctangc cgccatccag ttcagcgcac acgaggagta caagcgcac 250
 cngggcagnt antatggctt cgggtggagaa gccctgcccc cttggccttg 300
 cnttttgcgc ggccgacntg ctggaacgac agccggttca ctgacntacc 350
 ccctggacct ggtcagagng nggatggcng taaccccgaa ggaaatgt 398

<210> 93
 <211> 117
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 34, 50, 57, 79, 113
 <223> unknown base

<400> 93
 aacttaatgc aaaggggtgt agatgttccc ccngctgta aaatgaaggn 50
 ctattgntat ttattgagct ttgtgggant ggtggaagca ggcccccatg 100
 gaccatgccc ccncct 117

<210> 94
 <211> 267
 <212> DNA
 <213> Homo Sapien

<220>

<221> unsure
<222> 34, 40, 75, 127, 153, 176, 183, 221
<223> unknown base

<400> 94
ggcagccgcg gcatgtctat agcaactttt ttantaccan ccaagtttgt 50
agaacattat ccaatatgtg gactntcaca atcattggga ttggaccgga 100
taagttaata aatttggcct tatttgnttg gaagtgatta taccgaagga 150
atnccaactg tgggttgtgt aaccgnccat ggnaattcta caatgaattc 200
cctgggcatg gccctggaac ntctcctaaa attctcagaa tgggtggcatg 250
aagctcaaaa aaatcac 267

<210> 95
<211> 149
<212> DNA
<213> Homo Sapien

<400> 95
gggttttttt tttttggtct ggccctcttct atttagctta atgttttcaa 50
ggttcatcta tgttgtatca cgtatcagta ctttattttt tgtgtggcac 100
gtcatatgga taccacacaa cccgtttatc ttttcattaa ttatgggcg 149

<210> 96
<211> 141
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 35
<223> unknown base

<400> 96
tttttttttt tttttttttt ttttgagacg gagtntcatt ctgtcgctcg 50
ggctggagtg cagtggcgcc atcttggtct actgcaacct ctgccgccag 100
gttcaagtga ttctcttgcc tcagcctcca gagtagccgg g 141

<210> 97
<211> 598
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 79, 82, 132, 146, 187, 317, 371, 380, 383, 386, 473, 503, 554
<223> unknown base

<400> 97
gtttttgtta cagtttttgc ccaccatggt tgcagttata atgatgagct 50
gcagtttttg gagaagattc aataaaaant gntggaggat caagaagggg 100
ttgtgccccaa catgcagggt gaagggtgtt tntatgtgaa tgatgntttg 150
gagaaattga tgtttgagga attaaggaat gcctgtngag gtggtggtgt 200

tggtggttcc tgccagccat gaaacagatt ggcaatgtgg cagccctgcc 250
 tgggaattggt catcgattta ttgggcttcc tgatgtccat tcaggatatg 300
 ggtttgctat tgggaanatg gcagcctttg atatgaatga ccctgaagca 350
 gtagtatccc caggtggtgt ngggtttgan atnaantgtg gtgtccgctt 400
 gctaagaacc aatttagatg aaagtgatgt ccagcctgtg aaggagcaaa 450
 ttgccccagc tatgtttgac canattcctg ttgggggtggg gtcaaaaagg 500
 gtnatcccaa tgaatgcaa agaattggag gaggccttgg agatgggggt 550
 ggantggtcc ttaagagaag ggtatgcctg ggctgaagac aaggagcc 598

<210> 98
 <211> 518
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 28, 67, 111, 147, 152, 175, 219, 221, 224, 244, 259, 272, 285,
 307, 309, 326, 368, 395, 477
 <223> unknown base

<400> 98
 aattagaaaa ggaagggttta tttttaanat tcttcttcca attggtttta 50
 tggtgaatta atgaagnggg taagcaaaac caggtgcttg cgttgaggg 100
 tttgcagtgg ntgggaggac cccgggggtt ccccggtgtt tttccangaa 150
 tngttcggcc cctttggaat aaaanaccgc cgagccccga gggcccagag 200
 gaggcggaag tgcccagant nctncggggg tcccgcgcgc gagnettttt 250
 tttgccttng catttcctcc tngggcggtt tgganatgcc aggaataaaa 300
 aggatantna ctgttaccat tttggnnttt tggttttcaa gccctgggaa 350
 tgcacaggca cagtgcanga atggctttga cctggattgc cagtnaggac 400
 agtgtttaga tattgatgaa tgccgaacca tccccgaggc ctgccgagga 450
 gaaatgatgt gtgttaacca aaatgngggg tatttatgca tccccgggac 500
 aaaccctgtg tattgagg 518

<210> 99
 <211> 439
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 39, 59, 104, 130, 146, 209, 221, 233, 248, 269, 284, 287, 290,
 305, 360, 380, 386
 <223> unknown base

<400> 99
 ataccaagca ggcctttggc atcatgaacg agctgcggnt cagccagcag 50

ctgtgtgang tcacactgca ggtcaagtac caggatgcac cggccgcca 100
 gttnatggcc cacaaggtgg tgctggcctn atccagccct gttttnaagg 150
 ccatgttcac caacgggctg cgggagcagg gcatggaggt ggtgtccatt 200
 gagggatatnc accccaaggt natggagcgc ctnattgaat ttgcctanac 250
 ggcctccatt tccatgggng agaagtgtgt cctncangtn atgaacgggtg 300
 ctgtnatgta ccagattgac agcgttgctc gtgcctgcag tgaattcctg 350
 gtgcagcagn tggacccag caatgccatn ggcatngcca aatttgctga 400
 gcagattggc tgtgtggagt tgcaccagcg tgcccggga 439

<210> 100
 <211> 395
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 54, 74, 119, 170, 194, 215, 257, 285, 317, 328, 373
 <223> unknown base

<400> 100
 ttggcatatt ttttcccagc ttaattcaat tccagcattg tcatgcagca 50
 cggnaatcct ttgattccac aganacatat cccagcatg cgcagttttt 100
 ggatggcacc accagcagnt ttatccccct gtaccgatcc tcagaggaag 150
 agaagagagt gacagttatn aaagccccgc attaccagc gatngggccc 200
 gtggatgaat ccggnatccc cacagcaatt agaacgacag ttgaccggcc 250
 caaggantgg tacaagacga tgtttaagca aattnacatg gtgcacaagc 300
 cggatgatga cacaganatg tataatantc cttatacata caatgcaggt 350
 ttgtacaacc caccctacag tgntcagtc caccctgctg caaag 395

<210> 101
 <211> 326
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 28, 33, 82, 112, 144, 185, 190, 204, 215, 235, 238, 292
 <223> unknown base

<400> 101
 ccaatcgccc ggggcggtgg tgcaggtntc ggntagtcac ggggtccccg 50
 tttcggagac tgcagactaa accagtcatt anttgtttca agagcgtttt 100
 gctaatttac anttttattt tttggatcac tggcgttatc cttnttgag 150
 ttggcatttg gggcaagggtg agcctggaga attanttttn ttttttaa 200
 gaggaggcca ccaangtccc ctttgtgctc attgntantg gtaccgtcat 250

tatttttttg ggcacctttg gttgttttgc tacctgccga gnttttgc 300
ggatgctaaa actgtatgca atgttt 326

<210> 102
<211> 336
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 41, 127, 146, 178, 203, 220, 254, 267, 272, 320
<223> unknown base

<400> 102
tggtccctgg tggcagcgag gtgggcggcg gcggagggag ntggacccca 50
tggaaagtccg cgggtgagtg agaccggcg cccacggtca atccccgcaa 100
atttcctggg cctccccga cggcctncct gcccttttgt tttaantttt 150
tattaaaatg cttaggatac agattgantt ttttttgtaa atgactgttt 200
tanttttct gaagtaggan atatatgcac ttgataaaa cagaatgaga 250
agtnataatt catgggnatt cntatacaag gtgctgatcc tgtgtttgga 300
gctgagctcc tcacagcagn ttttttcagc tatttt 336

<210> 103
<211> 355
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 107, 145, 150, 168, 174, 185, 239, 254, 285, 295
<223> unknown base

<400> 103
tgccgcgttc atttttttng ccatttggca cattatagca tttgatgagc 50
tgaagactga ttacaagaat cctatagacc agtgaatac cctgaatccc 100
cttgtantcc cagagtacct tatccacgct ttttttctgt gtcangtttn 150
tttgtgcagc agagtggntt acantgggtt tcaanatgcc ccttttggca 200
tatcatattt ggaggtatat gagtagacca gtgatggang ccccaggaat 250
ttangaccct acaaccatta tgaatgcaga tattntagca tattntcaga 300
aggaaggatg gtgcaaaaata gctttttatt ttttagcatt tttttactac 350
ctata 355

<210> 104
<211> 453
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 43, 76, 166, 187, 203, 209, 251, 291, 326, 338, 341, 388, 398
 <223> unknown base

<400> 104
 cggtaggaat ttagtttttc caggatgtgg ttgccccttc cgntgtgggg 50
 ggaaaggggc cccagaacc gaccanaccg tggcaagaga cccagaacct 100
 gaggacgaaa aattgtatga gaagaacca gattcccatg gttatgacaa 150
 ggaccccggt ttggangttt ggaacatgag aattgtnttc tttctttggc 200
 gtntccatna tcttggtctt tggcagcacc tttgtggcct atttgccctga 250
 ntacaggatg aaagagtggg cccgcccga agctgagagg nttgtgaaat 300
 accgagaggc caatggcctt cccatnatgg aatccaantg ntttgacccc 350
 agcaagatcc agctgccaga ggatgagtga ccagttgnta agtggggntc 400
 aagaagcacc gccttcccca cccctgcct gccattttga ccttttttca 450
 gag 453

<210> 105
 <211> 449
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 23, 39, 72, 75, 123, 153, 164, 191, 227, 233, 251, 254, 314, 341,
 353, 356, 365, 379, 434
 <223> unknown base

<400> 105
 aacttcggtg aggggtgccgt tanctgctgt tctgcagng attatgggga 50
 tttttttcgg gggtttgtgc gntangaatt tgaggccgac gccatttgt 100
 gttcagagag acgcaacaag aantttagga catggagaac gaattttact 150
 atngctaccc aagnttccag gaagtgaag tgatggtttt ngtgggcttc 200
 ggcttcctca tgactttcct gcagcgttac ggnttttagc cgtgggctt 250
 naanttcctg ttggcagcct tcggcatcca gtgggcgctg ctcatgcagg 300
 gctggttcca ctntttacaa gaccgctaca ttgttgtggg ngtggagaac 350
 ctnatnaacg ctganttttg cgtggcctnt gtttgcgtgg cttttggggc 400
 agttttgggt aaagtcagcc ccattcagct gctnatcatg acttttttc 449

<210> 106
 <211> 394
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 30, 74, 87, 114, 132, 136, 246, 340, 345, 349, 376
 <223> unknown base

<400> 106
 ggggaacttg ggaggaacat gcaggagtgn atttgttttg gtggggggtt 50
 tcctggcctg gttcaggcct gccntgagcc ctgggantgt ggggaaaagt 100
 atggtttcca gatngccgac tgtgcctacc gngacntaga atccgtgccg 150
 cctggttccc ggccaatgtg aatacactga gcctgtcagc caaccggtgc 200
 caggcttgcc ggaggggtgcc ttcagggagg tgccctgct gcagtngctg 250
 ttgctggcac acaatgagat ccgcaagggtg gccgccggag ccctggcctt 300
 tttgagccat ttcaagagcc tggacctcag ccacaatttn atttntgant 350
 ttgcctggag cgacctgcac aacctngttg ctgtccattt tgag 394

<210> 107
 <211> 525
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 10, 23, 41, 71, 95, 158, 166, 196, 361, 367, 414, 499
 <223> unknown base

<400> 107
 cccaagggtg cgaaatttgg aangttcata ggttcttcaa ngtccttcat 50
 tccttggtag acaaattcaa natcaaccga cagttggagg tatanacaag 100
 cggaggggacc ctgagagtgt ggctggggag tatgggaggc attcctttta 150
 caaaatgnnt gggtanttca gcctgggtcgg gtttttccgc ctgcantccc 200
 tgttaggaga ttactaccag gccatcaagg tgctggagaa catcgaactg 250
 aacaagaaga gtatgtattc ccgtgtgcca gagtgccagg tcaccacata 300
 ctattatgtt gggtttgcac atttgatgat gcgttggttac caggatgcca 350
 tccgggtttt ngccaanato ctcctttaca tccagaggac caagagcatg 400
 ttccagagga ccangtacia gtatgagatg attaacaagc agaatgagca 450
 gatgcatgcg ctgctggcca ttgccctcac gatgtacccc atgcgtatng 500
 atgagagcat tcacctccag ctgcg 525

<210> 108
 <211> 498
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 12, 14, 135, 137, 165, 219, 309, 322, 334, 339, 341, 379, 386,
 405, 417, 423, 430, 466, 480
 <223> unknown base

<400> 108
 gaccatccc angngtccgg agatcatgag gatgtttttt aatggccggt 50

acatcctcct gctgatgggg ctgttttcag tgtacactgg cttcatttac 100
aacgatgctt ttcaaagtca gtcaacctgt tcggntntgg gtggaacgtg 150
tcggccatgt acagntccag ccacccaccc gcagagcata agaagatggg 200
gctttggaac gacagcgtng ttagacacaa cagcattttg cagctggatc 250
caagcattcc tggagtgttc cgaggccctt atccccttgg cattgaccc 300
atgttgaant tggccacaaa tngcctcact tttntaaant ntttcaaaat 350
gaaaatgtcc gtgatttttag gaatcattna tatgantttt ggagtcattt 400
tgggnatatt taaccanttg canttcaggn agaagttcaa catttacctg 450
gtttccatcc cggaantttct tttcatgctn tgtatttttg gataccta 498

<210> 109
<211> 573
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 74, 110, 139, 142, 213, 233, 276, 292, 320, 348, 405, 413, 418,
430, 448, 469, 490, 492, 500, 511, 545, 552
<223> unknown base

<400> 109
taaggccttc aggtcccctt ccttacccca gggtttttcac agaattggatt 50
cccagcggga aattgcagag gaantgcggc tttaccaatc cacccttttt 100
caggatggtn taaaagattt cctggatgag aaaaaattna tngattgcac 150
cctaaaagca gggacaaaag ttttccttgc cacagattga ttttgtcagc 200
ttgtagtcct tanttccggg agtacttttt atntgaaatt gatgaggcga 250
aaaaaaaagga ggtagtgtta gacaangtgg atcctgctat anttgattta 300
atcatcaaatt acctgtactn tgccagtatt gatctcaatg acggaaangt 350
gcaagatatt tttgcattgg ccagccgctt tcagatcccc tcagtgttta 400
ctgtntgcgt ttnttatntt cagaaaagan ttgctcctgg taactgtnta 450
gccatcctaa gattaggant tttttttgac tgcccgagan tngccatttn 500
tgcccgtgaa nttgtgtctg atcgctttgt acagatttgt aaggnagagg 550
antttatgca actgtttcca cag 573

<210> 110
<211> 530
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 58, 159, 163, 210, 224, 244, 278, 302, 351, 359, 361, 366, 395,
404, 415, 417, 454, 472, 481, 499
<223> unknown base

<400> 110
gcattatttg aatgcagcat ggcagctatt atcaccttaa ttgggagtga 50
tcccaggngg ggttctttat attcgttcat gtcgagtatt gatgctttct 100
gactggtaca cgatgcttta caacccaagt ccagattacg ttaccacagt 150
acactgtant cangaagcgt ttacccaacta tataaccattg tatttattta 200
ttacgcattn tgcttggtat taangatgct gctccgacct cttntggtga 250
agaagattgc atgtggggtta gggaaatntg atcgatttaa aagtatttat 300
gntgcacttt actttttccc aattttaacc gtgcttcagg cagttggtgg 350
nggcctttna naaaangcct tcccatacat tatattagtg ttatntttgg 400
ttantctggc tgtgnanatg tctgcttttg aaatagagaa ctgctatgat 450
ttnttggtca gaaagaaaag anttattggt nttttcagcc actggttant 500
tcatgcctat ggaataatth ccatttccag 530

<210> 111
<211> 356
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 42, 87, 99, 101, 286, 303, 329
<223> unknown base

<400> 111
gtcactgtg agcaggtggt attnacagcc tgcattgaccc tnacggccag 50
ccctgggggtg ttccccgtca ctgtacagcc accgcantgt gttcctgana 100
ngtacagcaa cgccacgctt tgggtacaaga ttttcacaac tgccagagat 150
gccaacacaa aatacgccca agattacaat cttttctggt gttataaggg 200
ggccattgga aaagttttatc atgcttttaa tcccaagctt acagtgattg 250
ttccagatga tgaccgttca ttaataaatt tgcatntcat gcacaccagt 300
tanttccttt ttgtgatggt gataacaang ttttgctatg ctgttatcaa 350
gggcag 356

<210> 112
<211> 711
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 46, 73, 91, 128, 134, 145, 151, 192, 205, 216, 218, 239, 356,
386, 409, 415, 448, 471, 496, 506, 562, 568, 599, 671, 675, 684,
698
<223> unknown base

<400> 112

aagggtccgg ttggttcatt taangtatat taaattgaaa gggttncctt 50
 cagtcattgg aacagtttgt atnattggga acaccaacc natgttagta 100
 ggatgggatg tgttacagtg tgtttaanac attntaaatt acagnecatg 150
 ngcttatgtc cggtgggttat ttgttgagca gtaaatttag gnggaatatt 200
 tttntatatt tctcnangg gataggcaag ctgtggggna gcacaggctt 250
 tggagcaagc agatttgatt gtgaccttat ataagtttca atttccctgt 300
 ctgtaattag atccccactt tattgggttg ttgtaaggat taaatgaagt 350
 aatttntgta aaacataatg actgatacaa agtagnaaat aagtaaattt 400
 ttaattttnt ttcanttttg caccagcata cagacatagt atgtttcntt 450
 ttgaccaaac agaacagaat nagatgtgta ataataaag agtganttag 500
 cagttntagt tatttaccta atagaaatga gtgcatatgt gtgccagaag 550
 acatgtatag gnatgttnat agcagcattg cttgtgatag cccaaaaant 600
 agaaacaccc acagatttaa caacagtaga atggattaat aaattgtggt 650
 atattcataa aatgcaattt nattnaacaa cagnagcgaa cacagtantg 700
 gtacacacac c 711

<210> 113
 <211> 507
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 101, 263, 376, 397, 426
 <223> unknown base

<400> 113
 gctggaaata tggatgtcat ctacgagaaa ctgttttaag ccacagacaa 50
 ttaaaagacc tttaaactct ttggcttctg gtcaagggac aagtgaagag 100
 nacacttttt acagttggct agaaggcttc tgtgtagaaa aaagagcatt 150
 ctacagactt atatctggcc tacatgcaag cattaatgtg catttgagtg 200
 caagatatct tttaacaagag acctgggttag aaaagaaatg gggacacaac 250
 attacagaat ttnaacacgcg atttgatgga attttgactg aaggagaagg 300
 tccaagaagg cttaagaact tgtattttct ctacttaata gaactaaggg 350
 ctttatccaa agtggttacca ttcttngagc gccagattt tcaactnttt 400
 actggaaata aaattcagga tgaggnaaac aaaatgttac ttttggaat 450
 acttcatgaa atcaagtcac ttcctttgca ttttgatgag aattcatttt 500
 tttgctg 507

<210> 114


```
<211> 551
<212> DNA
<213> Homo Sapien
```

```
<220>
<221> unsure
<222> 32, 58, 61, 85, 149, 169, 204, 255, 261, 300, 317, 324, 326, 329,
      354, 397, 535
<223> unknown base
```

```
<210> 115
<211> 404
<212> DNA
<213> Homo Sapien
```

```
<400> 115
gcagaggttg agcggcagaa anataaaacc cttgaaagtg ccttccctgg 50
ntccagccat catctncatc ctccctgggg tcgtcangtt catgggntcc 100
ttcattggtg tgctggngtc cctcccgtga caacctgtac cttttcccaa 150
gcattcangt acatccttgg gatttgccctn atcatggagc tcattggtgg 200
ngnggtggcc ttgaccttcc ggaaccagac cattganttc ctgaacgaca 250
acatttgaag aggaattgag aactactatg atgatttgga nttcaaaaan 300
atcatggant ttgttcagaa aaagttcaag tgctgtggcg gggagganta 350
ccgagattgg agcaagaatc agtaccacga ntgcagtgcc cctggacccc 400
tggc 404
```

<210> 116
 <211> 274
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 123, 129, 173, 186, 224, 267
 <223> unknown base

<400> 116
 gtcattttccc ccgctttttat atcctgtaca caatttttcat gaaaggattg 50
 cagatgttat gggctgatgc caaaaagggg agaagaataa agacaaatat 100
 gtggaagcac aatataaagt ttnatcaant tccataccgg gagatggagc 150
 atttgagaca gttccgccaa gangtcacca agtgtntttt cctaggtatt 200
 atttccattc caccttttgc caantacctg gtttttttgc taatgtacct 250
 gtttcccagg caaatanatga tcag 274

<210> 117
 <211> 502
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 29, 44, 55, 86, 114, 117, 157, 167, 197, 207, 236, 261, 275, 292,
 300, 302, 317, 341, 343, 366, 373, 446, 452, 481, 497
 <223> unknown base

<400> 117
 ggggtggaatc ccaattttttg gggggaagnt ttccggaggt tcanttaagg 50
 gaagnaattt caaatgaaa attcaaagta gtgttngccc agagttgatt 100
 gtggtcagca tttnganata gccagagat acaggataag caaataccca 150
 aaccttnaaa ttgtttngta aatgggatga tgatgaagag agaatanagg 200
 gttcagngat cagtgaagc attggcagat aacatnaggc aacaaaaaag 250
 tgacccatt naagaaattc ggganttagc agaaatcacc anttttgatn 300
 gnagcaaaag aaatatnatt ggatattttg agcaaaagga ntnggacaac 350
 tatagagttt ttgaangagt agngaataatt ttgcatgatg actgtgcctt 400
 tttttttgca tttggggatg tttcaaaacc ggaaagatat agtggngaca 450
 anataattta caaaccacca gggcattttg ntccggatat ggtgtanttg 500
 gg 502

<210> 118
 <211> 236
 <212> DNA
 <213> Homo Sapien

<220>

<221> unsure
<222> 34, 36, 93, 104, 147, 151
<223> unknown base

<400> 118
aaagcccaag ttaccagctg ttcaaaaaac agtngngatt tcagtttcac 50
gattgttgac ccggtgattt cccagtgct gaacattatg gtnattcaaa 100
cagnaacaga ccgacatata acattacatt gcctttcagt caatggntcg 150
ntgcccatac attacacttt ttttgaaaac catgttgcca tatcaccagg 200
tatttccaag tatgacaggg agcccgaacc ccttgc 236

<210> 119
<211> 204
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 33, 64, 129, 167, 172, 198
<223> unknown base

<400> 119
atatgcagag agactgggtg ntccgagctc cantcaggtg aaagaatttg 50
cggcaattgt tgangtgaaa ggagaatttc attacatttt ggatccaaag 100
caagcactga tgaagctcac cctaggtant gcaggcagtt tatttcccca 150
agcattgtac attttgnntg anttcatatg gagtttttta ttcaaaaant 200
cagc 204

<210> 120
<211> 438
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 32, 65, 92, 121, 142, 154, 170, 293, 315, 323
<223> unknown base

<400> 120
gttattgtga actttgtgga gatgggaggt cntggggctg tgttccatgg 50
cgagctggat accangtttg tgtggaagtg ccccggtgtt gntatgccga 100
tgctgtccta gtggaaacaa ntccactgta attagattga tntatgcaact 150
tttnttgctt gttggagtan gtgtagcttg tgtaatgttg ataccaggaa 200
tggaagaaca actgaataag attcctggat tttgtgagaa tgagaaagg 250
gttgtccctt gtaacatttt ggttggttat aaagctgtat atngtttgtg 300
ctttggtttg gctangttct atnttcttct ctctttacta atgatcaaaag 350
tgaagagtag cagtgatcct agagctgcag tgcacaatgg attttggttt 400
tttaaatttg ctgcagcaat tgcaattatt attggggc 438

```
<210> 121
<211> 229
<212> DNA
<213> Homo Sapien
```

accttcaccc gtaggaatna tattttataac aatgtgtaat ggctgtagca 250
aaaagccctt gtttttagat gtaaatggtc aaagaaacaa gcgctttatt 300
gttttgaata aaatagttca aatgagtcct gtatcattgt atntcctatt 350
ntggattagt gccttttgga cgattg 376

```
<210> 124
<211> 437
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 32, 53, 55, 69, 85, 124, 151, 175, 196, 225, 247, 253, 262, 266,
      275, 313, 316, 331, 334, 347, 349
<223> unknown base
```

```
<210> 125
<211> 441
<212> DNA
<213> Homo Sapien
```

```
<400> 125
aagtaggggaa gtgtatttcc agntacagat ttgatcccggt tggagtggaat 50
atcacttcga aaggaaaaat gagagcaaga tatgtgaatt acatcaaaac 100
atcagagggtt gtcagactgc cctatcctct ccaaattgaaa tcttcaggtc 150
cacttcttac tttattaaaa gggaaatngtg gggctggaca gactttctaa 200
tgaacccaat gggtatgatg atggttnttc ctttattgat atttgtgctt 250
ntgcctaaag tgggtcaacac aagtgatcct gacatgagac gggaaatgga 300
gcagtcaatg aatatgctga attccaacca tgagttgcct gatgtttctg 350
agttcatgac aagactnttn tcttcaaaat catttggtcaa atttaqcaqc 400
```

ggcagcagta aaacaggcaa aagtggggct ggcaaaagga g 441

<210> 126

<211> 397

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 84, 86, 96, 101, 112, 153, 220, 225, 297

<223> unknown base

<400> 126

ctttccccct ggcgggtgaga gtgcagagac gaagtgcgag atgagcatta 50

tgttcgcgga catctcctca tcgtttttat ctcnngngtgc acggtnrtgtt 100

ngcagagggc anaacctggg tcctgggtta caggacagac aagtacaaga 150

gantgaaggc agaagtggaa aaacagagta aaaaattgga aaagaagaag 200

gaaacaataa cagagtcagn tggtnngacaa cagaaaaaga aaatagagag 250

acaagaagag aaactgaaga ataacaacag agattttatca atgggttngaa 300

tgaaatccat gtttgttatt ggcttttgtt ttactgccct aatgggaatg 350

ttcaattcca tatttgatgg tagagtgggtg gcaaagcttc cttttac 397

<210> 127

<211> 179

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 67, 70, 95, 114, 170, 179

<223> unknown base

<400> 127

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ttcatcaciaa atTTTngngcn tgtaatagtt tcttagagct gttntttaac 100

gaagtaccac aagntgggtg gcttaagaca acagaaatgt attcctggcc 150

gggtgcagtg gctcacgccn gtaatcccn 179

<210> 128

<211> 561

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 25, 37, 57, 82, 119, 150, 174, 184, 202, 217, 225, 303, 332, 354, 375, 429, 443, 490, 509, 523, 527, 547

<223> unknown base

<400> 128

atttcccttc cttttttccc gccnngtatt ttttttnaac ctttttccca 50

cctttgnttg ggtagccatg gggggagccg tngggggcaa tcagtcccat 100

tccatttccct tgttgctcct tgggagccga gccgttccgc gcccggtggn 150
ggcgggagcc caggagcctg ccngcctgg ggangaagag tgcagttctt 200
cntggcggtg cacgatntga tttnttggag agatgtgaag aagactgggt 250
ttgttttttg caccacgctg atcatgctgc tttccctggc agctttcagt 300
gtnatcagtg tggtttctta cctcatcctg gnttttctct ctgtcaccat 350
cagnttcagg atttacaagt ccgtnatcca agctgtacag aagtcagaag 400
aaggccatcc attcaaagcc tacctggang tagacattaa ttntgtcctc 450
agaagctttc cataattaca tgaatgctgc catggtgcan atcaacaggg 500
ccctgaaant cattatttgt ctntttntgg tagaagattt gggttgantcc 550
ttgaagctgg c 561

<210> 129
<211> 526
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 57, 59, 68, 174, 185, 332, 343, 366, 369, 375, 388, 405, 465,
492
<223> unknown base

<400> 129
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attttantnt caagaaanat tttaccaggg gcaattgtaa aggttttatt 100
aatttttaac ctttggcctt tttttttaag taaggcaatt aatataaatg 150
taaaatatac aatattaaca aacntgggtt ccagnttgta catttagtaa 200
atatttaata ttaattacga gttattgagg tttaaagtag gctgtgcatg 250
tgtaattata ttttattatg ttcagttttc catggcaatt gcctagtttt 300
taaagtttat tataatcctt atgtttgtga tnttttttca tantttatta 350
tttacaggag tccagntant tgctntttta gttcccantt tgatatttta 400
cctgntggat gaaaattttt ttgcctcagc aagttcagct tccaaagatt 450
ttcatgagtt tgcantccag aatttaatgc atattggacc tntgtatcca 500
catgctttca agacagtaat gggggc 526

<210> 130
<211> 429
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 267, 330
<223> unknown base

<400> 130
 aaataaattt ttcattcccat tatgcatttt gtttgtaaatt gtaaatttta 50
 aaaatatggt taataacatt tcaacctggt tattacaact taaaaggaat 100
 tcagtgaatt tgttttttatt ttttaacaag atttgtgaac tgaatatcat 150
 gaaccatggt ttgatacccc tttttcacgt tgtgccaacg gaatagggtg 200
 tttgatattt tttcatatgt taaggagatg cttcaaaatg tcaattgctt 250
 taaacttaaa ttacctntca agagaccaag gtacattttac ctcatgtgt 300
 atataatggt taatatttgt cagagcattn tccagggttg cagttttatt 350
 tctataaagt atgggtatta tgttgctcag ttactcaaatt ggtactgtat 400
 tgttttatatt tgtaccccaa ataacatcg 429

<210> 131
 <211> 372
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 126, 261, 347
 <223> unknown base

<400> 131
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 gccaggctga aagacaagct ccgggtgtcc aggggctgac gggccaacca 100
 tgtggcaggt ccaggcccc acccantgcg ccatccgcct ttgagctcca 150
 cagtgggtccc actaatggga acctccttta gggagagtga tactgcacct 200
 tcacccgtag gactcatatt tataacaatg tgtaatggct gtagcaaaaa 250
 gcccttgttt ntagatgtaa atgggtcaaag aaacaagcgc tttattgttt 300
 tgaataaaat agttcaaatt agtcctgtat cattgtatct cctattntgg 350
 attagtgcct tttggacgat tg 372

<210> 132
 <211> 252
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 33, 37, 58, 95, 154, 204
 <223> unknown base

<400> 132
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 tgaaatgngt ttcttgtggg caacagatca atgggtcttg ttttnacatc 100
 tattcagcca gtctatgtct tttgtttgga gagtttagtc gatttatggt 150

caangttatt attgataagt aatgatttct cccagttttt tttctggttg 200
tttngtggtc ttctcttctt tctttctttc tttctttcct tcccgtccc 250
ag 252

<210> 133
<211> 139
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 57, 118
<223> unknown base

<400> 133
gtatgtacat gtgtatggtg tgtgcatgta ggtgtggtgt gcgtgtgcgt 50
ggtgtgngtg catgtgtatg tgtgtggcat gtatgtgtac ggtatgtata 100
tgtgtggtgt gtgtgcangt gtgtgtatgt gtgtttttg 139

<210> 134
<211> 366
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 127, 187, 366
<223> unknown base

<400> 134
ggggaaaaat atctgttaca aattttataat ttcaagacaa attgaatctt 50
atttttataat acttttggaa tttcattaat aaggctaaaa tttgaggaat 100
ataaataatt ttcagcctta agacatntaa gtttggaagt ccttgctatt 150
caacagaata acaagaaaac ttcagaatgt atcactntcc tgaaaagaag 200
atattaataa gcccttttat ttatggttat agttttatct atagtctcaa 250
aattcctaaa gcaatgctac aaccattgaa tttgccatat tttgtatcag 300
tgctgttaat ttgctgttgc ctcaagaaaa agtgcttttt ctccatggat 350
gaggctagac cctcgn 366

<210> 135
<211> 179
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 59, 158
<223> unknown base

<400> 135
agggggttct tgacattttg ttcaaactct ngtaacaatc tgtcttttagc 50
tttattttnt gagaaactga gcaaacctgt ttccattgcc ttcttagaag 100

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ggttcatgta tatagcacta cagaagcata atgaagtttc tcagctccca 150
aaattatngt tattatactg ctattatac 179

<210> 136
<211> 483
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 39, 54
<223> unknown base

<400> 136
tattcgcgat tgactcctct tnctaagtgt cgcgccccnt ttagagcagc 50
gatntaagag agccgtcccg gtgtcctcgg gtcccagtga ttgtgaagtg 100
ctgccaatg ccactggaca tacttgaaac aaaataggaa aatggcagca 150
aactcttcag gacaaggttt tcaaaacaaa aatagagttg caatcttggc 200
agaactggac aaagagaaaa gaaaactact tatgcagaac cagtcttcaa 250
caaatcatcc tggagctagc attgcactct cgagaccctc tottaataag 300
gacttccggg atcacgctga gcagcagcat attgcagccc aacagaaggc 350
agctttgcag catgctcatg cacattcatc tggatacttc atcactcaag 400
actctgcatt tgggaacctt attcttcctg ttttacctcg ccttgacca 450
gaatgaagaa aacatttgcg atggaaaagt gac 483

<210> 137
<211> 598
<212> DNA
<213> Homo Sapien

<400> 137
cttgagcgag ccagttgccg gattattcta tttcccctcc ctctctcccg 50
ccccgtatct cttttcacc ttctcccacc ctgcgtcgcg tagccatggc 100
ggagccgtcg gcggccactc agtcccattc catctcctcg tcgtccttcg 150
gagccgagcc gtccgcgccc ggcgggcgcg ggagcccagg agcctgcccc 200
gccctgggga cgaagagctg cagctcctcc tgtgcggtgc acgatctgat 250
tttctggaga gatgtgaaga agactgggtt tgtctttggc accacgctga 300
tcatgctgct ttccctggca gctttcagtg tcatcagtg ggtttcttac 350
ctcatcctgg ctctttctctc tgtaaccatc agcttcagga tctacaagtc 400
cgtcatccaa gctgtacaga agtcagaaga aggccatcca ttcaaagcct 450
acctggacgt agacattact ctgtcctcag aagctttcca taattacatg 500
aatgctgcc aatgtgcacat caacagggcc ctgaaactca ttattcgtct 550

ctttctggta gaagatctgg ttgactcctt gaagctggct gtcttcat 598

<210> 138

<211> 320

<212> DNA

<213> Homo Sapien

<400> 138

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ctaataatat aaaaataaat atgtatctta aaaatctata ataaaacatt 100
agaaattaaa gatatgtgct ttttattttg cagatgagtt catttgcttt 150
tgtagatgtg ttttcagagc taggtacaga ggaatgtttg ctacctttag 200
cggtgaaaaa agaaagagag tcaagaatth tgttggttg tgtttgtgtg 250
tgcataatatt tgatatcatc attatatthg taatctthg acttgtaatc 300
atagcctgtt tattctactg 320

<210> 139

<211> 497

<212> DNA

<213> Homo Sapien

<400> 139

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acatgttgag tcagaattgc ttcataccta ctcttctatc ttgggaactg 100
atattcttct tctcattgtc cgtctggctg tgthaatggc tgtgacctg 150
acagtaccag tagttatttt cccaatccgg agttctgtaa ctcaattgtt 200
gtgtgcatca aaagatttca gttggtggcg tcatagtctc attacagtgt 250
ctatcttggc atttaccat ttacttgtca tctttgtccc aactattagg 300
gatattcttg gttttatttg tgcatctgca gcttctatgt tgatttttat 350
tcttcttctt gccttctata tcaagttggg gaagaaagaa cctatgaaat 400
ctgtacaaaa gattggggct ttgttcttcc tgttaagtgg tgtactggg 450
atgaccggaa gcatggcctt gattgttttg gattgggtac acaatgc 497

<210> 140

<211> 105

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 11

<223> unknown base

<400> 140

acttcaatgt ntacacatgg ccattgaaaa atacagagtt tacagaatta 50
tttcagagaa gtcattaaag aaacaaacat taacacaccc tgcagagtgg 100
gggag 105

<210> 141
 <211> 473
 <212> DNA
 <213> Homo Sapien

<400> 141
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 agcttctcag aaccacttt gccggtgcta aaacacaaga gggggtgaaa 100
 gtggctgccca gtaatggcca gaaaccaacc accagaggcc aggtgaaaag 150
 acaagctccg ggtgtccagg ggctgacggg ccaaccatgt ggcagggtccc 200
 agggcccacc cactgcgcca tccgcctctg agctccacag tgggtcccact 250
 aatgggaacc tcctctaggg agagtgtatc tgcaccttca ccgtaggac 300
 tcatatztat aacaatgtgt aatggctgta gcaaaaagcc cttgtttcta 350
 gatgtaaatg gtcaaagaaa caagcgctct attgttttga ataaaatagt 400
 tcaaataagt cctgtatcat tgtatctcct attctggatt agtgcctttt 450
 ggacagtaga ctgttctgta aaa 473

<210> 142
 <211> 578
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 60, 105, 110
 <223> unknown base

<400> 142
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 gttgacacan tttaaaggta aaagcccaga ggaattggta gagcagcacc 100
 gtgcntgccn tgaggcagtg gagtcagtag cgttggtcccc agggccttga 150
 gtgcctggag gtgcttggcc tccagtagct gcctccattc tcttttaaaa 200
 aaaggggggtg attctgaggc actgaagtgc ctcccagatg tggaggagtg 250
 aagccaccat cgaggccaca ctgagcactc caggatccca gogatgtcag 300
 acactcttga gttgtcaaaa cgtaattttt cagtttttaa taatcagttt 350
 atctaagaaa agggaatttt aacttttcta ccttgagcca agccaatgaa 400
 gggaaaatta attaacttag taaatttgaa gtgcagctct gttagctcgt 450
 acatgtgggt tcttatcctg atcctgtgcc ttaaagtagg aaggtgtttc 500
 caagttcaga ttaaaataga agcagctggc cgggtgcggt ggctcacgcc 550
 tgtaatccca gcactttggg aggccgag 578

<210> 143
 <211> 1000

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 64
<223> unknown base

<400> 143
caagagtctc gctccagcct ggtgatagag caagactccg tctaaaaaaa 50
aaaccaggag tganaaaaaat aagagtcatt gaacttcatt tttttaaaaa 100
agaatatcac tttgctgtcc tttcaaatat agcatttccc caattaggta 150
cctgtttatt gagattttat aatgtaggta aatttttaat cagtttttaa 200
ttgataccta attaacctcg agctcttgct ctccctgcctt ttttcacttc 250
tttactcttg cagcattcct tcctagtacc ttctgtatgt acactacgtt 300
gatagccatg actggatggg atatggacag gacttcatt gctgtgctgg 350
gagtagcagc tggggctatc ttaggctggc cattcagtgc agctcttggt 400
ttaccattg cctttgattt gctggctcatg aaacacagggt ggaagagttt 450
ctttcattgg tcgctgatgg cctcactact atttctggtg cctgtggtgg 500
tcattgacag ctactattat gggaaagttg gtgattgcac cactcaacat 550
tgttttgtat aatgtcttta ctccctcatgg acctgatctt tatggtacag 600
aaccctggta tttctattta attaattgat ttctcaattt caatgtagcc 650
tttgctttgg ctctcctagt cctaccactg acttctctta tggaatacct 700
gctgcagaga tttcatgttc agaatttagg ccacccgtat tggcttacct 750
tggctccaat gtatatattgg tttataattt tcttcatcca gcctcacaaa 800
gatgagagat ttcttttccc tgtgtatcca cttatatgtc tctgtggcgc 850
tgtggctctc tctgcacttc agaaatgtta ccactttgtg tttcaacgat 900
atcgccctga gcactatact gtgacatcga attggctggc attaggaact 950
gtcttcctgt ttgggctctt gtcattttct cgctctgtgg cactgttcag 1000

<210> 144
<211> 612
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 49, 66, 73, 81, 91, 217, 318, 447
<223> unknown base

<400> 144
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cttcagattt actccntatt tcnagtactt ngagatcagc ntgcataacg 100

tgagaggttt cttttccttt ttctgacaag tattgcggaa tgttgcagca 150
 actccttact ctcttttggg tttggtcttc acggtttctt ttgttgcctt 200
 ggggtgttctc aacactntgc aagttttact tgcaggggta tcgagctttc 250
 atgaatgac ctgccatgaa tcggggcatg acagaaggag taacgctgtt 300
 aatcctggca gtgcagantg ggctgataga actgcagggtt gttcatcggg 350
 cattcttgct cagtattatc cttttcattg tcgtagcttc taccctacag 400
 tctatgttag aaattgcaga tcctattgtt ttggcactgg gagcatntag 450
 agacaagagc ttgtggaaac acttccgtgc tgtaagcctt tgtttatttt 500
 tattggtatt cctgtcttat atggcttata tgatttgcca gtttttccac 550
 atggattttt ggcttcttat cattatttcc agcagcattc ttacctctct 600
 tcaggttctg gg 612

<210> 145
 <211> 439
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 116, 156, 247, 252, 277, 279, 292, 301, 314, 338, 356
 <223> unknown base

<400> 145
 aaaaaaaaa accaaaaacca aaaaccagaa cgcttggtca agtttgtcct 50
 gtctgtcca tggataggcc agaccttgg tccagaaatt cagtttttca 100
 ttgtgtctga catagnagct ccataatgtt gggtccattc tcttttcttc 150
 ctcaanatca tgtgttttgt ggggtcttgt tttgttttgt tttgttttgt 200
 tttgttttgt ttttggtaga gttggagtct tgctgtgttg cccaagntga 250
 tntccaattc ctgacctcaa acaggtntnt caccttggcc tnccaaagtg 300
 ntgggaattc agngtgaac cacctcacc agccaagntc acattttgaa 350
 tctaantttt tttttgaaac agtgtcttgc attgttgccc aggctggaat 400
 gcagtgggtgc catcatgggt cactgcagcc tcaacttcc 439

<210> 146
 <211> 479
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 142
 <223> unknown base

<400> 146
 ggcagtctcc tagctgtct tacacactgc atagctgtgt gtgagtactc 50

ttttcatcca tcagtcagcc agggtttgca ggacagatcc ggcaagtgg 100
 gccctgtatg aggaatgctg caacggatct ggactgaacc cntcaaaaat 150
 aaagtgattg ctcatgcttc tttggatttc tgcgcgacat atgaaaccat 200
 accatggcat ggctggaacc caacccggta ccaaaaataa aggaaatgac 250
 cctgcaggac ctgcagcccc aaaacgatgc ggcttcctcg gacgacacag 300
 gccccggaca ttatgctgaa gaagacaact caggaagctg agcaaactct 350
 gctccagaca caaacaccat tcaactccaga taatctgttc cttgctatgc 400
 cctccgttgt acattgcaac actcacaggg tattgggttt tcttattctc 450
 tcactctgcc tgcaactcgt acctgctac 479

<210> 147
 <211> 276
 <212> DNA
 <213> Homo Sapien

<400> 147
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 ttttgtttgt tttaaatgta aattgagaat cttttataag aaataaaagc 100
 attattgggt gcctttgttt gttaaaccaaa aagtaataaa tgaatcccta 150
 tatttccatt atagtattta ttgtattttt atgttctgaa aattacccat 200
 ggaacaatat gcttaggatt acaggaagca gtccttactt acacttcttg 250
 tctgttttag gtgtacttgt taattc 276

<210> 148
 <211> 451
 <212> DNA
 <213> Homo Sapien

<400> 148
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 aacaacctca ttcttgtgta tagtacacct cacaccacta tattggcttg 100
 gtataataac ttccaactg gcttttgtct cagccatggg cagtttcttt 150
 tctgaccatc catctggcct caggttcccc tggagtcttc ctttctccag 200
 cagtccttct ctgtctttgt atatctccag gcttttagcaa tacgctcact 250
 ctatttttct ttttttgatt tcaacttttta aattaaagta ttgtaaaact 300
 ggcttttttg tgcacagttt tgagaatttc agtacatgaa cacatttgtg 350
 tccccaccac cacaatcaag acagaggggc gttttattgt ccccaaagct 400
 ccacatgcta tcctttcagg tctacttctt ttttactgtt tttgtaatca 450
 c 451

<210> 149
 <211> 268

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 167, 213
<223> unknown base

<400> 149
agaataatTT tttaaAcaca aattcaccat gtttctctac taacttggaa 50
tgcttaatgt gttcccatgt tacctagaat aaatccaaac ttactttcca 100
gggtctgctc tccaagctgt acatgacctg gcccatagcc acctttctaa 150
actcgtcaca tccattntcc tcattgctca tgggtgctgtg gacagtctgg 200
ttcctttctg ttnttctcca ctaccaagct cattcacact gccccttttc 250
caaggccctt ccctacac 268

<210> 150
<211> 749
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 72, 99, 114, 127, 132, 222, 373
<223> unknown base

<400> 150
gtaggttagg gtccttaaag gaacttactt tggatttatt ggcaaaatta 50
ttgtgggcac cttaccatt gngaaattat ttttagaggc ttgtaaaant 100
ttaaagttta gatnttattt gccttgntaa tntatttaac tttatggaaa 150
gtatttactg cttctgatca ggattttttg tttgctgtca aagtaaaagt 200
cactaccagt gtcactatTT gntatggaag ccacaaacct tgtagtcatt 250
tcttaattat tttctttctt ttatttttcc attccacat tcccttctca 300
tcccctttta attcattagc aagtatgctg ccagttctgc ttagtccgtc 350
tctctccctc cactggtaaa cntagccca aaccatcttc atctcttatt 400
tgtactaacg caagagcccc ttaactggta tccctccttc catttcttga 450
tctactaaaa tccatacgcc acatagtggc tagaataatt ttttaaAcac 500
aaattcacca tgtttctcta ctaacttgga atgcttaatg tgttccatt 550
gtacctagaa taaatccaaa cttactttcc agggctctgct ctccaagctg 600
tacatgacct ggcccatagc cacctttcta aactcgtcac atccattctc 650
ctcattgctc atgggtgctg ggacagtctg gttcctttct gttcttctcc 700
actaccaage tcattcacac tgcccctttt ccaaggccct tccctacac 749

<210> 151
<211> 105

<212> DNA
<213> Homo Sapien

<400> 151
ttttgtcatt ttgaaatddd tttttttttc accagccctg aatttttagtt 50
catccatgga taaactatta cttttcttat ttttctttaa ctatacaatt 100
aagac 105

<210> 152
<211> 631
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 17, 77, 95, 135, 166, 178
<223> unknown base

<400> 152
tccttggaaac atttttntag ggatatttcc atttgacttt attagattaa 50
tgaaattggg aaacctggac gtatatntaa actatacttt ttgantatga 100
gcataacctt ttatttcctg tatttttagaa aaagngacca tgttgtgatg 150
gcaatcattg tgcttntgca taccagntg aatgtctgtg gaaactcagt 200
tattctttta aatagttatt atcagagata taattattta caaagtagtt 250
tttttgttg taggtaaaact attatagatt ttgctgttct cccaactggt 300
ttcttggtgt atattttgaa aatataaacc ttaaatgtta gaacaaagaa 350
aacaaaagca aaacccgaaa accttaactg tgcttgtaaa catttaaaat 400
atttttggtta gtttctctca attgagtaag agaacctggc tttcccacag 450
caatgatcca ggctttggta atacccccct ttatgtctct gtacttctgc 500
cattctaaag ttgatttatt gtttgttact tttagtatt ttaagtgtc 550
aatgaagtgc cttggctttc tcatggcttt tcatttccaa cttaaattacc 600
tagcctttct tttaatgtct tccacctta c 631

<210> 153
<211> 522
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 44, 57, 65, 173, 183
<223> unknown base

<400> 153
tatttaaagc aatcttagtg gtataccccg cccctttgcc ttanttaaga 50
ggagcantga aatgnatata cttgctgttc agtatttcca agtaccatt 100
tttatatagt agcttatttg accataagtc acacatcaaa aaaagattac 150

cccttagtgt atgtgtttta atnttagaaa atntggcata tgtactttat 200
 ttttgaaaag ggaagagatg ggtgtggggg ggcaatagca ttgtgccatt 250
 ttgtcataga atgtaaaaat tgggttaactt taaaaatgtc agctagtttt 300
 gactactaat tgggggaaat tttagataat ttttaaattc aaagttattt 350
 ataaaatgct agaatttggt ttaatttttt tgtattttga gccacttcac 400
 atgaagactc agttgcattt ttatcgaata cttttttatc aacagttaaa 450
 gactatgggt gtttttttca gagtttggct aagaatgttg ttaccatctt 500
 ctttgtttgt ggtacaatat tt 522

<210> 154
 <211> 632
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 36, 65, 94, 147, 152-153, 156, 179, 222
 <223> unknown base

<400> 154
 aatctattta aactttatgg aaagtattta actggnttct ggatcaggat 50
 tttttttgtt tgctntcaaa gtaaaagtca cttaccagtg tcantatttg 100
 gttatggaag ccaacaaaacc ttgtagtcat ttcttaatta tttttcnttc 150
 tnntantttt ccattcccac attcccctnt catccccttt taattcatta 200
 gcaagtatgc tgccagttct gnttagtccg tctctctccc tccactggta 250
 aaccctagcc caaaccatct tcatcttctt atctgtacta acgcaagagc 300
 cccttaactg gtatcccctcc ttccatttct tgatctacta aaatccatac 350
 gccacatagt ggctagaata atttttttaa cacaaattca ccatgtttct 400
 ctactaactt ggaatgctta atgtgttccc attgtacctt gaataaatcc 450
 aaacttactt tccaggggtc gctctccaag ctgtacatga cctggcccat 500
 agccaccttt ctaaactcgt cacatccatt ctccctcattg ctcatgggtg 550
 tgtggacagt ctgggttcct tctgtttctt tccactacca agctcattca 600
 cactgcccct tttccaaggc ccttccctac ac 632

<210> 155
 <211> 558
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 27, 61, 91, 96, 108, 120, 157, 393, 478
 <223> unknown base

<400> 155

ttttttatca ttttgaactt tatgganaaa ttgggcagcc aaaacgcttc 50
 ccggggaagg ngccagcgaa gaatgcatcc taacgttagt naaggntgcc 100
 aaggaggntg tgcaacatgn tcagattaca atggatgttt gtcattgtaag 150
 cccagantat tttttgtttc tggaaagaat tggcatgaag cagattggag 200
 tatgtctctc ttcatgtcca agtggatatt atggaactcg atatccagat 250
 ataaataagt gtacaaaatg caaagctgac tgtgatacct gtttcaacaa 300
 aaatttctgc acaaaatgta aaagtggatt ttacttacac cttggaaagt 350
 gccttgacaa ttgcccagaa ggggttggag ccaacaacca tantatggag 400
 tgtgtcagta ttgtgactg tgaggtcagt gaatggaatc cttggagtcc 450
 atgcacgaag aaggggaaaa catgtggnnt caaaagaggg actgaaacac 500
 gggcccgaga aataatacag catccttcag caaagggtaa cctatgtccc 550
 ccaacaaa 558

<210> 156
 <211> 695
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 4, 6, 29, 42, 55, 57, 70, 92, 115, 118-119, 585
 <223> unknown base

<400> 156
 atcnangtgg atgcagtctt cattgacana agtaacctgg anatcactcc 50
 ggacnanccc cgctggatcn gagcctggtg ggggtggcttt cngctctgcg 100
 gtgccttaca cttcntcnnt tccctcttga tgtttgggtt tccacagtcc 150
 ctgccccgcg actcagaccc cgccatggaa agcgagcagg ccatgctctc 200
 cgaaagagaa tacgagagac ccaagcccag caacgggggc ctgaggcacc 250
 ccctggagcc agacagcagt gcctcctgtt tccagcagct gagagtgatc 300
 ccgaagggtca ccaagcacct gctctcaaac cctgtgttca cctgcatcat 350
 cctggccgcc tgcatggaga ttgcagtggg ggctggcttc gctgcctttt 400
 tggggaagta cctggagcag cagtttaacc tcaccacctc ttctgccaac 450
 cagctgcttg ggatgactgc gatcccgtgt gcttgtctgg gtatcttcct 500
 gggaggtctt ttggtgaaga agctcagcct gtctgccctg ggggccattc 550
 ggatggccat gctcgtcaac ctggtgtcca ctgcntgcta cgtctccttc 600
 ctcttcctgg gctgcgacac tggccctgtg gctgggggta ctgttccta 650
 tggaaacagc acagcacctg gctcagccct ggacccttac tcgcc 695

<210> 157

<211> 574
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 53, 66, 73, 85, 90, 124, 216, 429, 444, 474
<223> unknown base

<400> 157
tggaaagcca ttaaaggaat ttaaagttat ttacctgca gacctgaaaa 50
atntatagaa ctgttnacat atntttgtat atctnttcan taggtgaact 100
tttcatgggc taaacagtac attnagagtga aattctgaag aaacatttta 150
aggaaaaaca gtggaaaagt atattaatct ggaatcagtg aagaaaccaa 200
gaccaacacc tcttantcat tttccttta catgcagaat agaggcattt 250
atgcaaattg aactgcaggt ttttcagcat atacacaatg tcttgtgcaa 300
cagaaaaaca tggtggggaa atattcctca gtggagagtc gttctcatgc 350
tgacggggag aacgaaagt acagggggtt cctcataagt tttgtatgaa 400
atatctctac aaacctcaat tagttatant gtacactttc attntcatca 450
acactgagac tatcctgtct cacntacaaa tgtggaaact ttacattggt 500
cgatttttca gcagactttg ttttattaaa tttctattag tgttaagaat 550
gctaaattta tgtttcaatt ttat 574

<210> 158
<211> 779
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 58
<223> unknown base

<400> 158
ctaattttat caaaggccnt ttttcccaa gccatccatc atcccattat 50
taatctgnac tggtgcaaca tggctattgt ctgaaatttt atgagttact 100
atcctgggat ttccctttat ctttctgtat tagaccttct gtttcttgga 150
acctatgtca tccatcttga tgtactccct tattttgata gtgtatatcc 200
tttagtggct tcctaagaaa aagtgcata atagtaaaat tttgagacct 250
tgcatactg atagttttat tctaactctca ctcttggttg attagtttaa 300
cagggtagaa aatttcaggt tgaataccag ttttcttcag tatttgaagg 350
tgttatttta ttgatttcga actttcaaca ttgctgttga aatctgaagt 400
tattctgatt ctgatctttt gtatataagt ctttatgacc tctaaaagtt 450
ttcagaattc tgtttgttta tgggaattctg aaagttgatg atgtaccata 500

gtggaatact ttacatttta ttgtactggg tattccaaag gcccttttta 550
 tccaaaaact catgtctttt agtgcctggaa atttttcttt tggtattttc 600
 atatttttct tccccctttt totcttttcg ctttctggaa tgcctgttgg 650
 tcaaatgtca gattttctga ctcatctat acaattagaa agcacacca 700
 agtttcaactg tggaaactact ccagtgcgac cttcagtgtg gtcacatctg 750
 ggcagagata ctatagattt actgctaag 779

<210> 159
 <211> 358
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 39, 60, 91
 <223> unknown base

<400> 159
 tcaggatggt ctttaattggg gaagaaatca ttttttcnt acaaaaaacc 50
 aagcacttcn tggggccgga ttacactgaa acattgtact naccagagg 100
 agaggaaatt accacgaaac ctgagaacat ggaacactgt tactataaag 150
 gaaacatcct aaatgaaaag aattctgttg ccagcatcag tacttgtgac 200
 gggttgagag gatacttcac acatcatcac caaagatacc agataaaacc 250
 tctgaaaagc acagacgaga aagaacatgc cgtctttaca tctaaccagg 300
 aggaacaaga cccagctaac cacacatgtg gtgtgaagag cactgacggg 350
 aaacaagg 358

<210> 160
 <211> 362
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 55
 <223> unknown base

<400> 160
 atgctgcgtg ggatctccca gntacctgca gtggccacca tgtcttgggt 50
 cctgntgcct gtactttggc tcattgttca aactcaagca atagccataa 100
 agcaaacacc tgaattaacg ctccatgaaa tagtttgtcc taaaaaactt 150
 cacattttac acaaaagaga gatcaagaac aaccagacag aaaagcatgg 200
 caaagaggaa aggtatgaac ctgaagtcca atatcagatg atcttaaagt 250
 gagaagaaat cattctctcc ctacaaaaaa ccaagcacct cctggggcca 300
 gactacactg aaacattgta ctacaccaga ggagaggaaa ttaccacgaa 350

acctgagaac at 362

<210> 161
<211> 479
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 160
<223> unknown base

<400> 161
gtttgggcta acaggatctc ctcttgcaagt ctgcagccca ggacgctgat 50
tccagcagcg ccttaccgcg cagcccgaag attcactatg gtgaaaatcg 100
ccttcaatac ccctaccgcc gtgcaaaaagg aggaggcgcg gcaagacgtg 150
gaggccctcn tgagccgcac ggtcagaact cagatactga ccggcaagga 200
gctccgagtt gccacccagg aaaaaaaggg ctctctctggg agatgtatgc 250
ttactctctt aggcccttca ttcactcttg caggacttat tgttggtgga 300
gcctgcattt acaagtactt catgcccagg agcaccattt accgtggaga 350
gatgtgcttt tttgattctg aggatcctgc aaattccctt cgtggaggag 400
agcctaactt cctgcctgtg actgaggagg ctgacattcg tgaggatgac 450
aacattgcaa tcattgatgc gcctgtccc 479

<210> 162
<211> 307
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 65, 204
<223> unknown base

<400> 162
tgtcacaggt gggaaagaaa cggactgtgg gccctctctt ggattagcgg 50
cgggcatacc attgntggtg gccacagccc tgctggtggc tttactatct 100
actttgattc accgaagaag aagcagcatt gaggccatgg aggaaagtga 150
cagaccatgt gaaatttcag aaattgatga caatcccaag atatctgaga 200
atcntaggag atcaccacaca catgagaaga atacgatggg agcacaagag 250
gcccacatat atgtgaagac tgtagcagga agcgaggaac ctgtgcatga 300
ccgttac 307

<210> 163
<211> 502
<212> DNA
<213> Homo Sapien

<220>
 <221> unsure
 <222> 188
 <223> unknown base

<400> 163
 tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tataggcttt 50
 aaaatgtata tgtcttgcca tactgaacct atgttgaagc catatttcca 100
 cagggttaata gctggcagaa ctgagttaag ggttgcccct tttagatgag 150
 gcatatgctc tcccatcctc cacagttcac actatgcntg cttatctctt 200
 actgatatta gatattagta atagtcacat ttatgcattg tctttattta 250
 aaaaaatagt tctctttttt atgacagtag caatagttag aatatgaaag 300
 agagaagagg atttatcctt gccctactca attccttgat atcatctgcc 350
 tggtaatgag gtgttggagc tggctaatac tgacttatga gagcatattg 400
 ttaaataattc aggaatttta ccagcagcaa ccaccattgg tagattggaa 450
 tcagccacag tgggagtatt tacaccaggg aaatcaacga acattacaaa 500
 tc 502

<210> 164
 <211> 238
 <212> DNA
 <213> Homo Sapien

<400> 164
 tttcaaaaaa aaaaaagtgc ttctagtaaa taacacataa cttttgtttt 50
 ataaccaaat gttacagtcc ctctcttata ggagaaccca atccattcag 100
 tttatcagtg atatgcctgt ttttgtgtgt tccatcggac tttgtttcct 150
 tttttcgatt ttgttattgt ttccaccttt tcaattttct tacatttggt 200
 ggctctctca agcttctgtt tattccccct ctccctcc 238

<210> 165
 <211> 702
 <212> DNA
 <213> Homo Sapien

<400> 165
 cccgctgctc gggcactgtc tatatacgcc taacacctac atatatttta 50
 aaaacattaa atataattaa caatcaaaag aaagaggaga aaggaaggga 100
 agcattactg ggttactatg cacttgcgac tgatttcttg gctttttatc 150
 attttgaact ttatggaata catcggcagc caaaacgcct cccggggaag 200
 gcgccagcga agaatgcac ctaacgttag tcaaggctgc caaggaggct 250
 gtgcaacatg ctcagattac aatggatggt tgtcatgtaa gccagacta 300
 ttttttgcctc tggaaagaat tggcatgaag cagattggag tatgtctctc 350

ttcatgtcca agtggatatt atggaactcg atatccagat ataaataagt 400
 gtacaaaatg caaagctgac tgtgatacct gtttcaacaa aaatttctgc 450
 acaaaaatgta aaagtggatt ttacttacac cttggaaagt gccttgacaa 500
 ttgccagaa gggttggaag ccaacaacca tactatggag tgtgtcagta 550
 ttgtgcactg tgaggtcagt gaatggaatc cttggagtcc atgcacgaag 600
 aagggaacaa catgtggctt caaaagaggg actgaaacac gggtcagaga 650
 aataatacag catccttcag caaagggtaa cctgtgtccc ccaacaaatg 700
 ag 702

<210> 166
 <211> 365
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 28, 34, 93, 126, 145, 151, 161, 195
 <223> unknown base

<400> 166
 ggattacaac ccccgaggag gcgcctnta tacntggaac aacggccacc 50
 aggtgctata caatgtcacc ctgtttcagc tcatcagcac ctntgggggc 100
 ccttttcatt cgtgcctgtg tccccncaag ggtgatctct atgtntatgt 150
 nacgcccttt ntccccgcct ttttgctggg cttttgttct ctgcntatgt 200
 atttctgtct attttttcaa tttccctct tctcctttat tgatctctgc 250
 ttttaataca ccacttcttt ctttctgcct ttttatggat gtctttttct 300
 ttttatggct ctggttctcc agttctttcc gtctctgcct ctctctgtct 350
 ctctctctct gtcct 365

<210> 167
 <211> 452
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 26
 <223> unknown base

<400> 167
 tcagcaaac gtggatttaa atctcnttgc acaagcttga gagcaacaca 50
 atttatcagg aaagaaaagaa agaaaaaac cgaacctgac aaaaaagaag 100
 aaaaagaaga agaaaaaaaa tcatgaaaac catccagcca aaaatgcaca 150
 attctatctc ttgggcaatc ttcacggggc tggctgctct gtgtctcttc 200
 caaggagtgc ccgtgcgcag cggagatgcc accttcccca aagctatgga 250

caacgtgacg gtccggcagg gggagagcgc caccctcagg tgcactattg 300
 acaaccgggt caccgggtg gcttggttaa accgcagcac catcctctat 350
 gctgggaatg acaagtgggtg cctggatcct cgcgtgggtcc ttctgagcaa 400
 cacccaaacg cagtacagca tcgagatcca gaacgtggat gtgtatgacg 450
 ag 452

<210> 168
 <211> 443
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 24, 110-111, 122, 134, 275
 <223> unknown base

<400> 168
 ggagtggctt cccctactgc gtgntttgac gcccatcccg gtgctcacgt 50
 ggtttttccc ccatcatcgg ccacatgggc atctgcacat ccacaggagt 100
 cattcgggan ntgcggggcc cntactttgt ctngaggac aacatggcct 150
 ttggaaagcc tgccaagtac tggaagttgg accctgctca ggtctatgct 200
 agcggggccc acgcattggga cagggtgtg cagcagcct ctgaggagta 250
 caagcaccgc atgcacaatc tctgntgtga caactgccac tcgcacgtgg 300
 cattggccct gaatctgatg cgctacaaca acagcaccaa ctggaatatg 350
 gtgacgctct gcttcttctg cctgctctac gggaagtacg tcagcgttgg 400
 ggccttcgtg aagacctggc tgcccttcat ctttctcctg ggc 443

<210> 169
 <211> 319
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 54, 163, 203
 <223> unknown base

<400> 169
 tgggagatgt atgcttactc tccttagcct ttcatcctc ttggcaggac 50
 ttantgttgg tggagcctgc atttacaagt acttcatgcc caagagcacc 100
 atttaccgtg gagagatgtg cttttttgat tctgaggatc ctgcaaattc 150
 ccttcgtgga ggngagccta acttcctgcc tgtgactgag gaggctgaca 200
 ttngtgagga tgacaacatt gcaatcattg atgtgcctgt cccagtttc 250
 tctgatagtg accctgcagc aattattcat gactttgaaa agggaatgac 300
 tgcttacctg gacttccag 319

<210> 170
<211> 383
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 87, 117, 120, 124
<223> unknown base

<400> 170
ggaagcaaag gaggaagatc taccacagaa gggtgaggaa aagttcaacc 50
tcacacaagc acagatcaaa cagacagctt ggaattnagc aaacaacagt 100
ttttacacca gtagcangan ttcttattgt taactttgat tatagcatgg 150
aggaaaagtt tgaatccttt tcaagttttc ctggagtaga atcaagttat 200
aatgtgttac caggaaagaa gggacactgt ttggtaaagg gcataaccat 250
gtacaacaaa gctgtgtggc cgctgagcc ctgcactacc tgcctctgct 300
cagatggaag agttctttgt gatgaaacca tgtgccatcc ccagaggtgc 350
cccaaacag ttatacctga aggggaatgc tgc 383

<210> 171
<211> 636
<212> DNA
<213> Homo Sapien

<400> 171
actacattgc ctggaggaag cctaaggaac ccaggcatcc agctgccac 50
gcctgagtcc aagattcttc ccaggaacac aaacgtagga gaccacgct 100
cctggaagca ccagccttta tctcttcacc ttcaagtccc ctttctcaag 150
aatcctctgt tctttgccct ctaaagtctt ggtacatcta ggaccaggc 200
atcttgcttt ccagccacaa agagacagat gaagatgcag aaaggaaatg 250
ttctccttat gtttggtota ctattgcatt tagaagctgc aacaaattcc 300
aatgagacta gcacctctgc caacactgga tccagtgtga tctccagtgg 350
agccagcaca gccaccaact ctgggtccag tgtgacctcc agtgggggtca 400
gcacagccac catctcaggg tccagcgtga cctccaatgg ggtcagcata 450
gtcaccaact ctgagttcca tacaacatcc agtgggatca gcacagccac 500
caactctgag ttcagcacag cgtccagtgg gatcagcata gccaccaact 550
ctgagtccag cacaacctcc agtggggcca gcacagccac caactctgag 600
tccagcacac cctccagtgg ggccagcaca gccacc 636

<210> 172
<211> 480
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 99, 162
<223> unknown base

<400> 172
tacattgcct tggaggaagc ntaaggaacc caggcatccc agctgcccac 50
gcctgagtc aagattcttc ccaggaacac aaacgtagga gaccacgnt 100
cttgaagca ccagccttta tctcttcacc ttcaagtccc ctttctcaag 150
aatcctctgt tntttgcct cttaaagtctt ggtacatcta ggaccaggc 200
atcttgcttt ccagccacaa agagacagat gaagatgcag aaaggaaatg 250
ttctccttat gtttgggtcta ctattgcatt tagaagctgc aacaaattcc 300
aatgagacta gcacctctgc caaactgga tccagtgtga tctccagtgg 350
agccagcaca gccaccaact ctgggtccag tgtgacctcc agtgggggtca 400
gcacagccac catctcaggg tccagcgtga cctccaatgg ggtcagcata 450
gtcaccaact ctgagttcca tacaacctcc 480

<210> 173
<211> 390
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 9, 43, 51, 54, 120
<223> unknown base

<400> 173
gacaaaggnt catttgtaaa gaagctcctt ccagcacctc ctntcttctc 50
ntnttgccca aactcaccga gtgagtggtga gcattttaag aagcatcctc 100
tgcccaagac caaaaggaan gaagaaaaag ggccaaaagc caaaatgaaa 150
ctgatggtag ttgttttcac cattgggcta actttgctgc taggagttca 200
agccatgcct gcaaatcgcc tctcttgcta cagaaagata ctaaaagatc 250
acaactgtca caaccttcgg gaaggagtag ctgacctgac acagattgat 300
gtcaatgtcc aggatcattt ctgggatggg aagggatgtg agatgatctg 350
ttactgcaac ttcagcgaat tgctctgctg cccaaaaaac 390

<210> 174
<211> 451
<212> DNA
<213> Homo Sapien

<400> 174
gtttggtaag actccagact ccagctaaca gtccctatgg aaagatggca 50
tcaaaaaaga tagatctata tatatatata aatatatatt ctattacatt 100
ttcagtgagt aattttggat ttgcaaggt gcatttttac tattgttaca 150

ttatgtggaa aacttatgct gatttattta agggggaaaa agtgtcaact 200
 ctttgttatt tgaaaacatg tttatTTTTt ttgtctttat tttAACcttt 250
 gatagaacca ttgcaatatg ggggcctttt gggaacggac tggatatgtaa 300
 aagaaaatcc attatcgagc agcattttat ttacccctcc cctatcccta 350
 ggcacttaac caagacaaaa agccacaatg aacatccctt tttcaatgaa 400
 ttttataatc tgcagctcta ttccgagccc ttagcaccca ttccgaccga 450
 g 451

<210> 175
 <211> 692
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 17, 42, 97, 173
 <223> unknown base

<400> 175
 cggattggat ggattgnttg aacggattgg gttgggggaa gnAAaggga 50
 aggagggaga aaggagggaa taactgggct ccatcttttg agagctnttg 100
 gttgggcaag ggcagaaac aggccacag tgctcaacc cggacaccct 150
 cacgaagggt cgcaaagtca ctncctgttg cttcagattg ctcttttagga 200
 cctggaggga cagaccaga atcagggtcc cctcctttac cccctgagtt 250
 ccttactgtt cccccaagcc tgggagcagt ctatcccca accctgccat 300
 ctcccttact catccctctt ccacagcttc ccccttctag cccctctgc 350
 cctacctgtc tttcctgagt gtttgagggg agagagagac ccacatctcc 400
 ccaaagagat gagcttttgg ggcacaacat cccaccgag gccccctcac 450
 ccgacaacac ctccctacctg gccccctgcc aaatcccaag cagaattagc 500
 aacaggaaaa gcagagcccc aggagagaca ctctactata tatactcttc 550
 tatatattct gtttctattg tatattcact ctgtacatgt ggggtgtaaat 600
 gctgttaaata gacaaacca atattatact gtggctgggtg gactattttc 650
 atcctcagtg ctgtacagat ctattttcat tgtatatttg at 692

<210> 176
 <211> 358
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 59
 <223> unknown base

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<400> 176
tggatgggacg gccagcgatg accccattga gaaggtcatt gaagggatca 50
accgagggnt gagcaatgca gagagagagg tgggcaaggc cctggatggc 100
atcaacagtg gaatcacgca tgccggaagg gaagtggaga aggttttcaa 150
cggacttagc aacatgggga gccacaccgg caaggagttg gacaaaggcg 200
tccaggggct caaccacggc atggacaagg ttgcccatga gatcaacct 250
ggtattggac aagcaggaaa ggaagcagag aagcttggcc atggggtcaa 300
caacgctgct ggacagggca accatcaaag cggattttcc agccatcaag 350
gagggggcc 358
```

```
<210> 177
<211> 450
<212> DNA
<213> Homo Sapien
```

```
<220>
<221> unsure
<222> 49, 58, 74, 283
<223> unknown base
```

```
<400> 177
gaccttccca gcaatatgca tcttgcacgt ctggtcggct cctgtcctnt 50
ccttctgnta ctggggggccc tgtntggatg ggcgccagc gatgaccca 100
ttgagaaggt cattgaaggg atcaaccgag ggctgagcaa tgcagagaga 150
gaggtgggca aggccttga tggcatcaac agtggaatca cgcattgccg 200
aagggaagtg gagaagggtt tcaacggact tagcaacatg gggagccaca 250
ccggcaagga gttggacaaa ggctccagg ggntcaacca cggcatggac 300
aaggttgccc atgagatcaa ccatggtatt ggacaagcag gaaaggaagc 350
agagaagctt ggccatgggg tcaacaacgc tgctggacag gttgggaagg 400
aggcagacaa actgatccat catggggtcc atcacggggc caaccaggcg 450
```

```
<210> 178
<211> 489
<212> DNA
<213> Homo Sapien
```

```
<220>
<221> unsure
<222> 8, 64, 66, 68, 149, 302, 461
<223> unknown base
```

```
<400> 178
attgaatnac agttttttctg gtttttttgt ggagtttttg ttttggtttt 50
tgagatggag tttngntntt gttccccagg ctggagtgtg gtggtgcat 100
ttcggtttac cgcaacttct gcttccccggg ttcaggcagt tttcctgcnt 150
cggtttcctg agtggtcggg attacgggca tgcaccgtcg cgtccactg 200
```

gttttgtatt ttttttagtag agacgggggtt tttccgtgtt ggtcaggctg 250
 gtctcgaact cccgacctca ggtgatccgc ccgcctcggc ctcccaaggt 300
 tntgggattg caggtgtgag ccaccgtgcc cggctgtttt ttgtgggttt 350
 tttgtttgtt tggtttgttt tgagacagag tcttgctctg tctactcaggc 400
 tggagtgcag tggcacagtc tcggctcact gcaacctctg cctcctgagt 450
 tcaagccatt ntcttgctc ggccccctca gtagctggg 489

<210> 179
 <211> 495
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 78, 212, 234, 487
 <223> unknown base

<400> 179
 gggcgagaag taggggaggg cgtgttccgc cgcggtggcg gttgctatcg 50
 ttttgcagaa cctactcagg cagccagntg agaagagttg agggaaaagt 100
 ctgctgctgg gtctgcagac gcgatggata acgtgcagcc gaaaataaaa 150
 catcgccctt tctgcttcag tgtgaaaggc cacgtgaaga tgctgcggct 200
 ggcactaact gngacatcta tgaccttttt tatnatcgca caagcccctg 250
 aaccatatat tgttatcact ggatttgaag tcaccgttat cttattttttc 300
 atacttttat atgtactcag acttgatcga ttaatgaagt ggttattttg 350
 gcctttgctt gatattatca actcactggg aacaacagta ttcattgctca 400
 tcgtatctgt gttggcactg ataccagaaa ccacaacatt gacagttggg 450
 ggaggggtgt ttgcacttgt gacagcagta tgctgtnttg ccgac 495

<210> 180
 <211> 552
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 12, 25, 65, 130, 437, 537
 <223> unknown base

<400> 180
 gggaggctgt gnccgttttg tttnttggc taaaatcggg ggagtgaggc 50
 gggccggcgc ggcngacac cgggttccgc gaaccattgc acgacggggg 100
 ggactgacct gaaaaaaatg tttggatttn tagagggtt gagatgctca 150
 gaatgcattg actgggggga aaagcgcaat actattgctt ccattgctgc 200
 tgggtgtacta ttttttacag gctgggtggat tatcatagat gcagctgtta 250

tttatccac catgaaagat ttcaaccact cataccatgc ctgtggtggt 300
 atagcaacca tagccttct aatgattaat gcagtatcga atggacaagt 350
 ccgaggtgat agttacagtg aaggttgtct gggtaaaca ggtgctcgca 400
 tttggctttt cgttggtttc atgttggtct ttggatntct gattgcatct 450
 atgtggattc tttttggagg ttatgttgct aaagaaaaag acatagtata 500
 ccttgggaatt gctgtatttt tccagaatgc cttcatnttt tttggagggc 550
 tg 552

<210> 181
 <211> 690
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 18, 87, 89, 97, 127, 148, 170, 221, 232, 357, 426, 478, 561
 <223> unknown base

<400> 181
 ttcttttttag agattccntt ggaccttgac ccaagggttc cgacaggttt 50
 ttttttgaat tttggaacag acctttatat tttgggnchna gaagtngcc 100
 cagaaagcag caggggtttt gcctggntgt agagcccagt tcattggntg 150
 tccctgggtt tgtttcttn ttccgagtag ttgtgccttt tttcagatca 200
 ggtaaccaca atgctccccg ntgtgacgtt tnatcccca cacttccagc 250
 cccagttacc tggagttttt cagaaccac tttgccggtg ttaaaacaca 300
 agagggggtg aaagtggctg ccagtaatgg ccagaaacca accaccagag 350
 gccaggntga aagacaagtt ccgggtgtcc aggggctgac gggccaacca 400
 tgtggcaggt cccaggcccc acccantgcg ccatccgctt ctgagctcca 450
 cagtggctcc actaatggga acctcctnta gggagagtga tactgcacct 500
 tcaccgtag gactcatatt tataacaatg tgtaatggct gtagcaaaaa 550
 gcccttggtt ntagatgtaa atggtcaaag aaacaagcgt tttattgttt 600
 tgaataaaat agttcaaag agtcctgtat cattgtatct cctattctgg 650
 attagtgcct tttggacagt agactgttct gtaattaaaa 690

<210> 182
 <211> 468
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 59, 95, 149, 331, 364, 438, 446
 <223> unknown base

<400> 182
aattttcacc gctgtaggaa tccagatgca ggccaagtac agcagcacga 50
gggacatgnt ggatgatgat gggacaccac catgagcctg cattntcaag 100
cttttgccac aattcggcat ccagagcccc ggcgcacaga gcacagggnt 150
cctttttcaa cgtggcgacc agtggccctg accctgctga ctttgtgctt 200
ggtgctgctg atagggctgg cagccctggg gcttttgttt tttcagtact 250
accagctctc caatactggg caagacacca tttctcaa at ggaagaaaga 300
ttaggaaata cgtcccaaga gttgcaattt nttcaagtcc agaataataa 350
gcttgacagga agtntgcagc atgtggctga aaaactctgt cgtgagctgt 400
ataacaaagc tggagggaact ttgaaggagg gcaaagtntc ctcatntact 450
atacacacac cacttccc 468

<210> 183
<211> 227
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 21, 50, 84, 90, 111, 131, 154, 174-175, 189, 201
<223> unknown base

<400> 183
tcacagcatg agagagatcc ntggatatagc tgggaccagc cgggcctgan 50
gttgaactgg ggtgaaccga tgcactggca cctngacatn tacaacagga 100
accgtgtgga nacatcccc acacctgttt nttggcatgt catgtgtatg 150
cagntcttcg gtttcctggc tttnttgata ttcattgtnt ggggtggggga 200
ngtgtaccct gtctaccage ctgtggg 227

<210> 184
<211> 474
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 33, 105, 126, 184, 199, 206, 218, 236
<223> unknown base

<400> 184
gaaagaagga aataaacaca ggcaccaaac cantatccta agttgactgt 50
ccttttaaata tgtcaagatc cagacttttc agtgtcacct cagcgatctc 100
aacgntaggg atcttgtgtt tgccgntatt ccagttgggtg ctctcggacc 150
taccatgcga agaagatgaa atgtgtgtaa attntaatga ccaacacnt 200
aatggntggg atatctgnat cctcctgctg ctggntnttg tggcagctct 250
tctctgtgga gctgtgggtcc tctgcctcca gtgctggctg aggagacccc 300

gaattgattc tcacaggcgc accatggcag tttttgctgt tggagacttg 350
gactctatatt atgggacaga agcagctgtg agtccaactg ttggaattca 400
ccttcaaact caaacccttg acctatatcc tgttcctgct ccatgttttg 450
gccctttagg ctccccctct ccct 474

<210> 185
<211> 340
<212> DNA
<213> Homo Sapien

<400> 185
ccgaaacgcg gtctttctct agacgcgtct tgctgggaga gtgtccgttg 50
cttcccgtcc gtgtcgcggc cctgcggttg gcggcctcct cgtggagcgg 100
agcaaggctg agatctgtat ctgtggacct gaatgttgat ccctcgcttc 150
agattgacat acctgatgcg ctcaagtgaga gagacaaagt caaatattaca 200
gtgcacacaa agaccacact gccacgttt cagagcccag agttttctgt 250
tacaaggcaa catgaagact ttgtgtggct acatgacact cttattgaaa 300
caacagacta tgctgggctt attattccac ctgctctttg 340

<210> 186
<211> 411
<212> DNA
<213> Homo Sapien

<400> 186
ggctggagca aatgctccac agctgccgaa tccagaagtc agatttcagc 50
aacaactgga acagctcaac gcaatggggt tcttaaaccg tgaagcaaac 100
ttgcaggccc taatagcaac aggaggcgac atcaatgcag ccattgaaag 150
gctgctgggc tcccagccat cgtaatcaca tttctgtacc tggaaaaaaaa 200
tgtatcttat ttttgataat ggctcttaaa tctttaaaca cacacacaaa 250
atcgttcttt actttcattt tgattctttt aaatctgtct agttgtaagt 300
ctaatatgat gcattttaag atggagtccc tccctcctac tccctcact 350
ccctttctcc tttgcttatt tttcctacct tcccttctc ttgtctcccc 400
actccccctcc c 411

<210> 187
<211> 277
<212> DNA
<213> Homo Sapien

<400> 187
cttagcataa acctacaggg ccctgtgtga tcggactcct gccacttga 50
catgttagtt acttgcccct cggttgcttcg tgctttacct tccagaatca 100
ttaaactgct gatgtttccc aaaaataact atgtacctgg gtcagctcat 150

gctggcatgg agttctcgtc catcaccatg cccaccctgg cttctttgag 200
cgcccgata atatatatct ctaccatcat acttcatata ttttggtata 250
attgctgggt ttatttgcct ctgtggt 277

<210> 188
<211> 294
<212> DNA
<213> Homo Sapien

<400> 188
aaaaatcctg gttttttttt gggttttttt ttgctgtgcc ctagaccatt 50
acataactga agactccac cttcaggcag gtttgggtag tacacgtttg 100
taactacctg gcattgcctt ttgttgaagt aatttcagtt tttattagta 150
gtagtagtag tatactttgg gttctacagt atatgttcac aatgtgcagg 200
tttgttacat atgtatacat gtgccatggt tggttgcgtc acccattaac 250
tggtcattta cattgggtat ttctcctaact actatcccc ccgc 294

<210> 189
<211> 385
<212> DNA
<213> Homo Sapien

<400> 189
gtaacatttg ggagtgacaa gactgttcat cagcttgggg cctggcagca 50
acttttctag agttagcttt tttctcctt cttgttccat gacttaaaaa 100
taataacttg ttgggcattg tgcctcattc ttgtaatccc agcactttgg 150
gaggctgagg cacttgtggc caggagtcca agactagcct gggcaacgta 200
gtagatgccc tccccgccac catctctaca aaagaaaaaa agttaactct 250
tgatttgctt tctagtagtg ggtgaatttg gagttccaat gattgtcaac 300
ccattaattc ttcatttact gaacatctcc ttatgtttca gatgctgcaa 350
agatgtacaa gactttgttt cctaccctcc ttttt 385

<210> 190
<211> 134
<212> DNA
<213> Homo Sapien

<400> 190
tgcaatctgc cttgtgtgct gttgtaaaca agttagtgtt caaccagtgt 50
ttaaagtgtc tgttttaaaa gctctaatta tggtagtatt tccatttcct 100
tttacaacac cctttatttt gttcctccag gttc 134

<210> 191
<211> 245
<212> DNA
<213> Homo Sapien

<400> 191
 ttttaaaaaa aaaaaaaaaac aaagaaattc tatgttaact caataccaac 50
 atcttgcaga actagagtac aatatcacag ccaggatggt gaccttgata 100
 cgagccatca gtcttattcg ggttttccca aatttacttt gtgtgtgtgt 150
 gtgtctgtgt gtagttaggt ctatgctagt ttatgacgtg cagtttcatg 200
 tatctcccac cacagccaac acacagaaca gttccatctc ccctc 245

<210> 192
 <211> 323
 <212> DNA
 <213> Homo Sapien

<400> 192
 ggtttcgcca tgttgcccaa gctgttcttg aactcccggg ctcaggatgat 50
 ccgcctccct cggcctccca gagtgctggg attacaggca cggaccacca 100
 tgcccagcct ccacatcttt ttttgcactg tgtatactct tctgagacat 150
 gccaaattcc tccagggtcaa gaaaggggta tatagctctc agcttcactc 200
 tttcagggct gatgtgcct ttgccttttc tcaacttcaact gacctgtcta 250
 ttcctacaac tgtctctttc tagagaagcc tcaatgatca ggattgacag 300
 gccacactct ccccccacctt tct 323

<210> 193
 <211> 481
 <212> DNA
 <213> Homo Sapien

<400> 193
 cagcatgagc tcctgtgtg tgcaaggcag ctctatgcgg ttctcgggtg 50
 ctctaggaa gcaactttca gtacctcct gtgttgagtc cgattttcta 100
 aaagctgagc gggcatctag ggacctttct gtcactcagc cgactgtgtg 150
 gctgtggcca gctctgggtc tgctcccc agaactagat gcccatgggg 200
 agtccatcag caccaatctc ctgtgatcgt ttatacaaca gaatctccac 250
 tcaagtaaaa gtggggcctc ctctatctt gctgtttgtg tgtgtgttg 300
 cagaccccag cgtggctgga acagatgatt gcacatacca cgtggcgagg 350
 ccttttttat aaactggctg aagcccatcc agactgtttg atgctgaact 400
 tcaccgttaa ggtaggaaga gttctagagt taaggagaaa agtgtttatg 450
 aatgtttatt tttgggtgtt ggtctgtttg g 481

<210> 194
 <211> 184
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure

<222> 128
<223> unknown base

<400> 194
atagctctca gcttcaactct ttcagggctg atgtcgcctt tgccttttct 50
cacttcactg acctgtctat tctacaact gtctctttct agagaagcct 100
caatgatcag gattgacagg ccacactntc cccaccatt tttttctcct 150
ccttcaagcc tcttgtctgt ttcacctct agtg 184

<210> 195
<211> 225
<212> DNA
<213> Homo Sapien

<400> 195
gtttaattat ggtatgcaac cactcatgta ttcggttcag gaagcattaa 50
atgccagacc atggtggatt cgtatgggga ctgacatttg ttactataaa 100
aatcatttct caagaagttc agttgctgca ggtgggcaaa agggaaaatc 150
ctactataca attacattta ctgtcaattt tccacataaa gatgatgttt 200
gctactttgc ttatcactat ccttt 225

<210> 196
<211> 208
<212> DNA
<213> Homo Sapien

<400> 196
ctgacattca ttgtgatgag ggcagctttc tggtacagga ttctaagctc 50
tatgttttat atacattttc atctgtactt gcacctcact ttacacaaga 100
ggaaactatg caaagttagc tggatcgctc aaggtcactt aggtaagttg 150
gcaagtccat gcttccact cagctcctca ggtcagcaag tctacttctc 200
tgctatag 208

<210> 197
<211> 403
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 112
<223> unknown base

<400> 197
atcttggccg tatgaaagta taacactaag aaaaaaatc atttttttca 50
aacgtaacct tccattcttt ctcccttttc ctctaaacta aaaccttctt 100
tcccatcttt tntttcttga accagactaa tctagacaaa gatctcagcc 150
tctgccagac agagtttagag gcagatttag aaaaaatgga gacgcttaat 200
aaagcaccca gtgcaaactg gccacaggta tttcctagtt tttctcatgc 250

catcagttcc ttttcaagct gtgctttggt ttcttctttg ttctatgggt 300
 tttgatgtag ttgaggtgac ggatgggtgat gctggctatt ttaggctgca 350
 tggctttctg actactgttt tagactcctt cccccacacc taccagtta 400
 gta 403

<210> 198
 <211> 484
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 62, 150, 158, 195, 236
 <223> unknown base

<400> 198
 gttgaacgcc accgaggggtc aagtcacaga caagaagctg tgcagtcacc 50
 agtgtttcct cntgcccaga aacaaatcca ccaaaaaccc atacctctgc 100
 caagatttac agaaggggga aacccaactg tggatgggccc cctaccagn 150
 ttttcatnta attccactat ttcagaacag gaagctggcg ttctntgcaa 200
 gccatggtat gctggagcct gtgatcgaaa gtctgntgaa gaggcattgc 250
 acagatcaaa caaggatgga tcattttotta ttoggaaaag ctctggccat 300
 gattccaaac aaccatatac actagttgta ttctttaata agcgagtata 350
 taatattcct gtgcgattta ttgaagcaac aaaacaatat gccttgggca 400
 gaaagaaaaa tggatgaagag tactttggaa gtgttgctga aatcatcagg 450
 aatcatcaac atagtccttt gggtcttatt gaca 484

<210> 199
 <211> 442
 <212> DNA
 <213> Homo Sapien

<400> 199
 ggcggctggg ctgtttggtt tgagcgctcg ccgtcttttg gcggcagcgg 50
 cgacgcgagg gctcccggcc gccgcgctcc gctgggaatc tagcttctcc 100
 aggactgtgg tgcggcgctc cgctgtggcg ggaaagcggc cccagaacc 150
 gaccacaccg tggcaagagg acccagaacc cgaggacgaa aacttgatg 200
 agaagaacc agactcccat ggttatgaca aggaccccg tttggacgct 250
 tggacatgc gacttgtctt cttctttggc gtctccatca tcttggtcct 300
 tggcagcacc tttgtggcct atctgcctga ctacaggatg aaagagtgg 350
 cccgccgcga agctgagagg cttgtgaaat accgagaggc caatggcctt 400
 cccatcatgg aatccaactg cttcgacccc agcaagatcc ag 442

<210> 200
<211> 756
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 31, 46, 68, 72, 95, 220
<223> unknown base

<400> 200
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cagttttgca gccccagnac gntgattccc agcaggcgct ttacngggca 100
gcccgaagat ttcaacttatg gtgaaaatcg cctttcaata cccttaccgc 150
cgtgcaaaaag gaggaggcgc ggcaagactt ggaggccctt cttgaccgca 200
acggtcagaa ctcaggatan tgaccggcaa ggagctccga gttgccaccc 250
aggaaaaaga gggctcctct gggagatgta tgcttactct cttaggcctt 300
tcattcatct tggcaggact tattgttggg ggagcctgca tttacaagta 350
cttcatgccc aagagcacca tttaccgtgg agagatgtgc ttttttgatt 400
ctgaggatcc tgcaaattcc cttcgtggag gagagcctaa cttcctgcct 450
gtgactgagg aggctgacat tcgtgaggat gacaacattg caatcattga 500
tgtgcctgtc ccagtttct ctgatagtga ccctgcagca attattcatg 550
actttgaaaa gggaatgact gcttacctgg acttggtgct ggggaactgc 600
tatctgatgc ccctcaatac ttctattgtt atgcctcaaa aaaatctggg 650
agagctcttt ggcaactgg cgagtggcag atatctgcct caaacttatg 700
tggttcgaga agacctagtt gctgtggagg aaattcgtga tgtagtaac 750
cttggc 756

<210> 201
<211> 445
<212> DNA
<213> Homo Sapien

<400> 201
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tctatagctc agatcattgt cacagtcgta ctgggactgg ttataggtgc 100
catttacttt gggctaaaaa atgattctac tggaatccag aacagagctg 150
gggttctctt cttcctgacg accaaccagt gtttcagcag tgtttcagcc 200
gtggaactct ttgtggtaga gaagaagctc ttcatacatg aatacatcag 250
cggatactac agagtgtcat cttatttctt tggaaaactg ttatctgatt 300
tattacccat gaggatgtta ccaagtatta tatttacctg tatagtgtac 350
ttcatgttag gattgaagcc aaaggcagat gccttcttcg ttatgatgtt 400

tacccttatg atggtggctt attcagccag ttccatggca ctggc 445

<210> 202

<211> 700

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 66, 168

<223> unknown base

<400> 202

gcggccccct tggggtttgg attcaggatt tgttcctagt gtccaagatt 50
 ttgttaggaa cttacngaag ttgatgctta cctacaaatc ttgattgaac 100
 aattaaagct ttttgatgac aagcttcaaa actgcaaaga agatgaacag 150
 agaaagaaaa ttgaactntc aaagagacaa caaatagcat ggtagaatca 200
 attaaacact gcatttgtgtt gctgcagatt gccaaagacc agagtaatgc 250
 ggagaagcac gcagatggaa tgataagtac tattaatccc gtagatgcaa 300
 tatatcaacc tggtcctttg gaacctgtga tcagcacaat gccttcccag 350
 actgtgttac ctccagaacc tgttcagttg tgtaagtcag agcagcgtcc 400
 atcttcccta ccagttggac ctgtgttggc taccttggga catcatcaga 450
 ctctacacc aaatagtaca ggcagtggcc attcaccacc gagtagcagt 500
 ctactttctc caagccacgt gaacttgtct ccaaatacag tcccagagtt 550
 ctcttactcc agcagtgaag atgagtttta tgatgctgat gaattccatc 600
 aaagtggctc atccccaaag cgcttaatag attcttcttg atctgcctca 650
 gtctgacac acagcagctc gggaaatagt ctaaaacgcc cagataccac 700

<210> 203

<211> 513

<212> DNA

<213> Homo Sapien

<400> 203

catgcagtgc ttcagcttca ttaagaccat gatgatcctc ttcaatttgc 50
 tcatctttct gtgtgggtgca gccctgttgg cagtgggcat ctgggtgtca 100
 atcgatgggg catcctttct gaagatcttc gggccactgt cgtccagtgc 150
 catgcagttt gtcaacgtgg gctacttcct catcgagacc ggcgttgttg 200
 tctttgctct tggtttctct ggctgctatg gtgctaagac tgagagcaag 250
 tgtgccctcg tgacgttctt cttcatcctc ctcccatctt tcattgctga 300
 ggttgcagct gctgtggctg ccttgggtga caccacaatg gctgagcact 350
 tcctgacgtt gctggtagtg cctgccatca agaaagatta tggttcccag 400

gaagacttca ctcaagtgtg gaacaccacc atgaaagggc tcaagtgctg 450
 tggcttcacc aactatacgg attttgagga ctcaccctac ttcaaagaga 500
 acagtgcctt tcc 513

<210> 204
 <211> 348
 <212> DNA
 <213> Homo Sapien

<400> 204
 gaatcgatag aaccgaggtg cagttggacc tgggagtgga caccaagatt 50
 ttaaaagctc caatttcaga gcaagagtcg aaaactcaca gataaagtta 100
 tagttatttc agggttctga aaagacgcag aacatgaagg gactcagaag 150
 tctggcagca acaaccttgg ctcttttcct ggtgtttgtt ttcctgggaa 200
 actccagctg cgctccgcag agactggttg agagaaggaa ctggactcct 250
 caagctatgc tctacctgaa aggggcacag ggtcgccgct tcatctccga 300
 ccagagccgg agaaaggacc tctccgaccg gccactgccg gaaagacg 348

<210> 205
 <211> 493
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 202
 <223> unknown base

<400> 205
 tccaggagac gactaaaatg ggctgtcttc atcgggtggaa tacaacataa 50
 tggagttgga acaagaactt gaaaatgtaa agactcttaa gacaaaatta 100
 gagaggcgaa aaaaggcttc agcatgggaa agaaatttgg tgtatccgcg 150
 tgttatgggt ctcttcttta ttgagacatc catctcggtc ctcttggtgg 200
 cntgtaatat tctttgcta ttggttgatg aaacagcaaa tgccaaaagg 250
 aacaaggggg cctggaatag gaaatgcctc tctttctacg tttgggtttg 300
 tgggagctgc gcttgaaatc attttgattt tctatcttat ggtgtcctct 350
 gttgtcggct tctatagcct tcgatttttt ggaaacttta ctcccaagaa 400
 agatgacaca actatgacaa agatcattgg aaattgtgtg tccatcttgg 450
 ttttgagctc tgctctgcct gtgatgtcga gaacactggg aat 493

<210> 206
 <211> 599
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure

<222> 38, 48, 191, 261
<223> unknown base

<400> 206
ctattagaga ttcccccttgg acccttggac ccaacggngt cccgggggnac 50
acccccctttt ttcagaaacc cagggctgtg taagagctgc ttggagtagg 100
caccocatth aaagaaaaaa atgaagaagc agcaataaag aagttgtaat 150
cgttacctag acaaacagag aactgggtttt gacagtgttt ntagagtgtc 200
ttttattatt ttctgacag ttgtgttcca ccatgattac tttctccttc 250
agcgaatagg ntaaatgaat atgaaacaga aaagcgtgta tcagcaaacc 300
aaagcacttc tgtgcaagaa ttttcttaag aaatggagga tgaaaagaga 350
gagcttattg gaatggggcc tctcaatact tctaggactg tgtattgtc 400
tgttttccag ttccatgaga aatgtccagt ttcttggaat ggctcctcag 450
aatctgggaa gggtagataa atttaatagc tcttctttta tggttgtgta 500
tacaccaata tctaatttaa cccagcagat aatgaataaa acagcacttg 550
ctcctctttt gaaaggaaca agtgtcattg gggcaccaaa taaaacaca 599

<210> 207
<211> 578
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 49, 75, 77, 283, 458
<223> unknown base

<400> 207
tgccttttcc tctgaccctt caggtccctc accgagtttt gctccaggng 50
tatattgaaa acatacccag tgctntntca agcaccact gcttagaggg 100
cccagatttc ttttcttct ttcccttgca gagctggaga ctgcatcggg 150
catctggtgt ttaaactaaa caggaaaact gactaaaggt ccacagtgtc 200
cattgtgtag actagctgcc ctccgatggg tgctctgatt atcagtgggt 250
ccagtgcagg gcctgtcact aaacaggcct canttctctc ttgggggctt 300
tcccatggga ggtgtggctt tttactctac atggaaatga ctctctgcag 350
ccacagaaca cagtcatttt ctgaattatc ccagtctctc atgcgccttg 400
gattcctcca gatgccttat atctcttggt caaagttgtc taaaatttgg 450
ttcccagntt ccaagccttg ccttttggcc ttcttggaag tatttttgtt 500
gatgagtcgt ctgtcattat tctctaaaat gatttgcttt ttgtttcttt 550
cattcctatt tccacccac atatacac 578

<210> 208

<211> 588
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 332, 427, 444, 449, 480, 508, 541, 578
<223> unknown base

<400> 208
tctttctgta agactcaact gatatatatt atactgatgc aaatattaag 50
tagggcataa aaatatgctt ccataatatg aaatagatta ttcaataatt 100
gagaaaacttt atgtgtaatc atgagagtat aagagtctgg attatctaac 150
attgttagcc ctgtgtatgt acagttcaaa aagttcattt ataaaagtag 200
tttcctgttc ctagtgtgat gtatcacaaa ttgtgctgag gttatttttag 250
tatgtgtgtt tcattcccgt gcttctgttc tgaagtcctg gaatacagtt 300
ttcagtgtaa ttaattcaac tgcacttaac antaatgtcc gtgttggtat 350
agaaatgtct aaatcctata ctctagttga ggaagatctt ccataatttt 400
atgggtattac acagggaaaag ctatgantgc aggatcagtc taantatant 450
attaggtgca tgtattctct tttcactaan ttatacttgt ctatctagaa 500
tacaggtntt ccagtcagct ggtcatttac caggtgtgga nttagttgc 550
tgggcttgca gtaagaattg ccagccantc attgtgcg 588

<210> 209
<211> 481
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 84
<223> unknown base

<400> 209
cgtgtggccc ccgcggtgcg gagtatgggg cgctgatggc catggagggc 50
tactggcgct tctggcgct gctggggctg gcantgctg tcggcttcct 100
gtcggtgatc ttccgctcg tctgggtcct ccactaccga gaggggcttg 150
gctgggatgg gagcgacta gagtttaact ggcacccagt gctcatggtc 200
accggcttcg tcttcatcca gggcatcgcc atcatcgtct acagactgcc 250
gtggacctgg aaatgcagca agctcctgat gaaatccatc catgcagggc 300
taaatgcagt tgctgccatt cttgcaatta tctctgtggg ggccgtgttt 350
gagaaccaca atgttaacaa tatagccaat atgtacagtc tgcacagctg 400
ggttggactg atagctgtca tatgctatct gttacagctt ctttcagggt 450
tttcagtcct tctgcttcca tgggctccgc t 481

<210> 210
 <211> 569
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 325
 <223> unknown base

<400> 210
 tttcatatac catggagtta cataaaacat ggcattttgt atctggcttc 50
 tttcacttaa tggtttcaag gttcattcag gctggagcgc ataatagatac 100
 tttattcctt tctatggttg aataatatc cattgtatga atagaccata 150
 ttttgtctat ccattcatca gttgatggac atctgggtta tttctatattt 200
 tggctatcgt gaataatgct gccatggaca ttcacgtata agtttttgtg 250
 tggatatatg ttttcatttc tttggagtag agttgctggg tcatggggta 300
 accctagggt taagcttttg aggentacca gatttccaaa gtgactgcat 350
 cattttgcat tcccatcaac agtatatgaa ggttctaact tctctacatc 400
 ttcaccaata tttgttattg tctgtcttct tgacaaaagt tctcctagt 450
 ggtgtgaact ggtatcattt tgtgggtttg atttgcattt cctggatgg 500
 tatgaatgtt gattttactt tcatgtgctt attggccatt gtatatcttt 550
 gggaaaatag ctattttcc 569

<210> 211
 <211> 416
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 291
 <223> unknown base

<400> 211
 gtcgaaagaa gcttatctgc aaaagatata atgaaaaatg ggaagagcaa 50
 tcatctcaaa cagttccggg ttgctgccct tttggcttcc ctaggtgcta 100
 cagtagcagg ctgttttccc cttttccata gaggggaata ttctgcatca 150
 cccctttgtt tgccatttcc tacagggtgaa acgccatcat taggattcac 200
 tgtaacgtta gtgctattaa actcactagc atttttatta atggccgtta 250
 tctacactaa gctatactgc aacttgaaa aagaggacct ntcagaaaac 300
 tcacaatcta gcatgattaa gcatgtcgtt tggctaattc tcaccaattg 350
 catctttttc tgccctgtgg cgtttttttc atttgcacca ttgatcactg 400
 caatctctat cagccc 416

<210> 212
 <211> 765
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 25, 55, 63, 76, 81, 389, 626, 761
 <223> unknown base

<400> 212
 ttttggcctg ttggaatttc cccanttttt ttccccagga ggatttgccc 50
 aaaantgagc ttntattggg acaggnggca nttggatttt tggagtaggt 100
 gggcttttgt ttttggggtc tgcaattggg ttgtcttaga gggttcaggag 150
 gggaaattat atggaagggg cccaaattgc attactttac aaactcattg 200
 tactctgttt ggccattagt cttccttagg aatcggacga ttagccatta 250
 taaaatcaat aggctatcag gaacatttaa cagagtattg gagttcactg 300
 gaactttttc tttaccataa tagttgtgaa attgataaca ccactgctgt 350
 tgattatttt tcccctaaat aagtcctgga ttattgcctt cggcattact 400
 gtattatacc agctagccct tgactttacc tcaactgaaga ggttaatat 450
 atatggcact gatggtagtg gcacacgggt tgggtctatta aatgcccaacc 500
 gcgaaggaat aatctctacc ctgggggatg tggcaatata catggctggg 550
 gtgcaaacag gggttatatat gcataagaac cgatcacata tcaaagactt 600
 gataaaagta gcctgttttc ttttantggc agctattagc ctcttcatat 650
 ctctttacgt agttcaagta aatgtagaag cagtatctcg aagaatggca 700
 aatttagcct tttgtatttg gatagttgct tctagcctga tccttcttag 750
 tagtttatta ntggg 765

<210> 213
 <211> 500
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 117, 181, 219, 297, 397, 415
 <223> unknown base

<400> 213
 ggcggaactg aagttttttc ttaattatca tgtgacgggt tctggattta 50
 atgggggggaa aaggggcgga taggacaagg atccaaactg gcgaatttgc 100
 tgatcttcgg gtcctntcc gctttccggc cggcagcgct gccagggtat 150
 atttcctttt ttccgatcct gcaacagcct ntttaaactg tttaaagag 200
 aatgtccttg gctcagagng tactactcac ctggcctttc acactactct 250

tcttgatcat gttggtgttg aaactggatg agaaagcacc ttggaantgg 300
 ttcctcatat tcattccagt ctggatattt gatactatcc ttcttgtcct 350
 gctgattgtg aaaatggctg ggcgggtgtaa gtctggcttt gaccctngac 400
 atggatcaca caatnttaaa aaaaaagcct ggtacctcat tgcaatgtta 450
 cttaaattag ctttctgcct cgcactctgt gctaaactgg aacagtttac 500

<210> 214
 <211> 500
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 1, 15, 24, 49, 94, 126, 158, 196
 <223> unknown base

<400> 214
 nacggtgaat ttttngaagc caangaagga gatttgcaca ggatagaant 50
 cccattcaaa ttccacatgt tgcattcagg gttggtccac ggcntggctt 100
 tctggtttga cgttgctttc atcggntcca taatgaccgt gtggctgtcc 150
 acagcccnga cagagcccct gaccactgg taccagggtgc ggtgcntggt 200
 ccagtcacca ctgttcgcca aggcagggga cacgctctca gggacatgtc 250
 tgcttattgc caacaaaaga cagagctacg acatcagtat tgtggcccag 300
 gtggaccaga cgggctccaa gtccagtaac ctcttgatc tgaaaaaccc 350
 cttctttaga tacacgggca caacgcctc acccccaccc ggtcccact 400
 acacatctcc ctcgaaaac atgtggaaca cgggcagcac ctacaacctc 450
 agcagcggga tggccgtggc agggatgccg accgcctatg acttgagcag 500

<210> 215
 <211> 739
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 98, 103, 114, 178
 <223> unknown base

<400> 215
 tggccggatc cctttagaaa tcccttggac cttggacca aggtgtccgg 50
 gcgagagcct tgggatgcac ccggccagag cccatgctgc tgctgctnaa 100
 cgnttgcccc tcntggggg gcccacttg ggcagggaag atgtatggcc 150
 ctggaggagg caagtatttc agcaccantg aagattacga cccatgaaat 200
 cacagggctg cgggtgtctg taggtcttct cctggtgaaa agtgtccagg 250
 tgaaaacttg agactccttg ggacgtgaaa ctgggagcct taggtgggaa 300

taccaggaa	gtcaccctgc	agccaggcga	atacatcaca	aaagtctttg	350
tcgccttcca	agcttttcctc	cgggggatgg	tcattgtacac	cagcaaggac	400
cgctattttct	atttttgggaa	gcttgatggc	cagatctcct	ctgcctaccc	450
cagccaagag	gggcagggtgc	tgggtgggcatt	ctatggccag	tatcaactcc	500
ttggcatcaa	gagcattggc	tttgaatgga	attatccact	agaggagccg	550
accactgagc	caccagttta	tctcacatac	tcagcaaact	caccctg	600
tcgctagggt	gggggatggg	gccatttacc	gagcggccgc	cgtaattggg	650
ccgctgggggt	atctctcgag	aaaagagagg	cccaatatga	cccacatact	700
caatatggac	gaactgatat	tgtccacctg	ttatgagtg		739

```
<210> 216
<211> 474
<212> DNA
<213> Homo Sapien
```

```
<400> 216
tttccaaaag ttgtgaagga cacctccatc cattcaaggc agttgtcaaa 50
gcagaaattt tcagtgaag tcttgatgtt gccccgtccc cnattcccta 100
catcagaagg atccctcatn tggactccag cgttggtctc ttgatgctgc 150
gcgttcccccc attccctaca tcagaatgca tcccgcatcc agactccagc 200
gttgntgctc tacntgcacg ctggtgccaa gtccaagnta ccatactcct 250
gcctgagcta tgacaacagc ctctcactg atctcccctt tcttcccttt 300
gcctcctcca gctcattttt cacagtgtag aatgacattt tgtttgtntg 350
ttntgttntg tttgagatgg agtctcgctc tgttgccag ggtggagtgc 400
agcggtgcca tctcggctca ctgcaacctc cacctcccg gttcaagcgg 450
attctcgtgc ctacagcctcc tgag 474
```

```
<220>
<221> unsure
<222> 22
<223> unknown base
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<400> 217
cacagttccc caccatcact cntcccatto cttccaactt tatttttagc 50
ttgccattgg gagggggcag gatggggagg aaagtgaaga aaacagaaaa 100
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ggagagggac agagggccaga ggactttctca tactggacag aaaccgatca 150
 ggcatggaac tcccccttcgt cactcacctg ttcttgcccc tgggtgttcct 200
 gacaggctctc tgctccccct ttaacctgga tgaacatcac ccacgcctat 250
 tcccagggcc accagaagct gaatttgat acagtgtctt acaacatgtt 300
 gggggtggac agcgatggat gctgggtggc gccccctggg atgggccttc 350
 aggcgaccgg agggggggacg tttatcgctg ccctgtaggg gggggccaca 400
 atgccccatg tgccaagggc cacttaggtg actaccaact gggaaattca 450
 tctcatcctg ctgtgaatat gcacctgggg atgtctctgt tagagacaga 500
 tggatgatg 509

<210> 218
 <211> 291
 <212> DNA
 <213> Homo Sapien

<400> 218
 ctcttaggct ttgaagcatt tttgtctgtg ctccctgac ttcatgtcac 50
 caccatgaag ttcttagcag tcttggtact cttgggagtt tccatctttc 100
 tggctctctgc ccagaatccg acaacagctg ctccagctga cacttatcca 150
 gctactggct ctgctgatga tgaagcccct gatgctgaaa ccaactgctgc 200
 tgcaaccact gcgaccactg ctgctcctac cactgcaacc accgctgctt 250
 caaccactgc gaccactgct gctcctacca ctgcaaccac c 291

<210> 219
 <211> 266
 <212> DNA
 <213> Homo Sapien

<400> 219
 cgggctttga agcatttttg tctgtgctcc ctgatcttca ggtaaccccc 50
 atgaagttct tagcagtcct ggtactcttg ggagtttcca tctttctggg 100
 ctctgcccag aatccgacaa cagctgctcc agctgacacg tatccagcta 150
 ctggctctgc tgatgatgaa gccctgatg ctgaaaccac tgcaactgca 200
 accactgcga ccaactgctgc tctaccact gcaaccaccg ctgcttctac 250
 cactgctcgt aaagac 266

<210> 220
 <211> 264
 <212> DNA
 <213> Homo Sapien

<400> 220
 ggctttgaag catttttgc tgtgctccct gatcttcagg tcacccccat 50
 gaagttotta gcagtcctgg tactcttggg agtttccatc tttctggtct 100

ctgcccagaa tccgacaaca gctgctccag ctgacacgta tccagctact 150
 ggtcctgctg atgatgaagc ccctgatgct gaaaccactg caactgcaac 200
 cactgcgacc actgctgctc ctaccactgc aaccaccgct gcttctacca 250
 ctgctcgtaa agac 264

<210> 221
 <211> 610
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 64, 185, 201
 <223> unknown base

<400> 221
 tgatttttac acaccccagg attttttggga attgaggaga cggttcaaga 50
 gtttagcctt ggantggccc agtatccagg tcgaggttct gcagaagggt 100
 gtgacttttag taacattttt cttctttcgg ggacgtggcc tgcattggcta 150
 tctgctcctg ccagtgtcca gcagccatgg ccttntgctt cctggagacc 200
 ntgtgggtggg aattcacagc ttcttatgac actacctgca ttggcctagc 250
 ctccaggcca tacgcttttc ttgagtttga cagcatcatt cagaaagtga 300
 agtggcattt taactatgta agttcctctc agatggagtg cagcttggaa 350
 aaaattcagg aggagctcaa gttgcagcct ccagcgggtc tcaactctgga 400
 ggacacagat gtggcaaatt gggatgatgaa tggtcacaca ccgatgcact 450
 tggagcctgc tcctaatttc cgaatggaac cagtgcacgc cctgggtatc 500
 ctctccctca ttctcaacat catgtgtgct gccctgaatc tcattcgagg 550
 agttcacctt gcagaacatt ctttacaggt tgcccatgag gaaattggaa 600
 acattctggc 610

<210> 222
 <211> 612
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 17, 43, 70, 89, 92, 100, 194, 219, 229, 295, 327-328, 330, 334,
 338, 344
 <223> unknown base

<400> 222
 cgaaggcttg ggcggangcg tgggcgcggg agtgcattggc agntttgggt 50
 cccagacttg cccggaccn tttgcttcac ctccagctnt gntgctcctn 100
 tactcttggg tcgagatccc tttggagcca cagcgaggaa ccctgtggtc 150

ctcaggcagg tgtaccttga gtcagcccag gagccctctt ttcntgtgtc 200
 aaagcctgcc ctcgggctnt gctcacctnt ggtgaccctc ccaagatgcc 250
 cctgccctca gtttcccctc atgatctggc ctctgcccc ttctntagcc 300
 acagcctttt agtacacttt agcaatnnn accngaanta gttngagttc 350
 cccaattcac caagcaagac atgcagtttc atgcctctgt gccttcgctc 400
 atgcttggtt cttccgaact tggaatgcct tcccctgctc ctccctgcctt 450
 gtctgcctgg caagttcatt tctcacgac cctcaaagg cccctcctc 500
 caggaaggca acccctgtgc cctccccc caggctacct ctgcactttg 550
 tcaatgcttc tcttggtgca cttatcacac tgtattttac ttgtttacat 600
 gtttgcctcc cc 612

<210> 223
 <211> 616
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 1, 21, 224
 <223> unknown base

<400> 223
 nccaatgcag cctccgggt ntccgcgaag aagttccttg ccccgatgag 50
 ccccgccgt gcgtcccga ttatcccag gcgggcgtgg ggcaccgggc 100
 ccagcgccga cgatcgctgc cgttttgccc ttgggagtag gatgtggtga 150
 aaggatgggg cttctccctt acggggctca caatggccag agaagattcc 200
 gtgaagtgtc tgcgctgcct gctntacgcc ctcaatctgc tcttttggtt 250
 aatgtccatc agtgtgttg cagtttctgc ttggatgagg gactacctaa 300
 ataatgttct cactttaact gcagaaacga gggtagagga agcagtcatt 350
 ttgacttact ttctgtggt tcatccggtc atgattgctg tttgctgttt 400
 ctttatcatt gtggggatgt taggatattg tggaacgggtg aaaagaaatc 450
 tgttgcttct tgcattgtac ttggaagtt tgcttgctat tttctgtgta 500
 gaactggctt gtggcgtttg gacatatgaa caggaactta tggttccagt 550
 acaatggtca gatatggtca ctttgaaagc caggatgaca aattatggat 600
 tacctagata tcggtg 616

<210> 224
 <211> 639
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure

<222> 28, 102, 105, 107, 157, 167
<223> unknown base

<400> 224
taagttcctg cattaaaacc atgctgtngc aattgagagc ttagctccac 50
ggttctcaaa gggaggtccc tggccaacag catcagcatc accttgagga 100
cntantngca atgcaaatta tcagggccct tcttcagact cactgaatca 150
gaaaccntgg gataggncca gcacgctgtg ctttaacaag ctctaggtga 200
tgcccaattc atactcaagt gtgaggctga ctggcttatt tgaagggaga 250
gaaaggaaca ggcacatggc gacatatcag catttacaca aggcgtgctg 300
ggtaaccata ggaacacctt tattacgggt aaataggaaa caggcatcaa 350
tgcagagggc cccagaggaga atcaggaagg tcgcgactgt cactgtctga 400
gggcactgtt gtgaaacgat ggccgaagg gacaaccaca gcaaagtctc 450
aaggaagtcc actgaaacgt ggaaaaaccc actcaatgtc ctgctctcat 500
ttatattgag tggcttaagt atttattttc ttgggttttt agaggaaggg 550
agggttgag gattctcaaa gcattcaaaa ggacaccata tgctggcagg 600
aaatattcaa gcttttaatg gaataatgca atggaggtg 639

<210> 225
<211> 704
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 45, 89, 96, 105, 115, 121, 141, 147, 178, 194, 205, 209, 233,
236, 245, 256, 284
<223> unknown base

<400> 225
tacccttggc cacttaagtt ggagaaattt gaaatcaaga agttntcatt 50
ttgaagaagc acgagttcgg aagacttta catgggtnt tccttnttgc 100
agcngtata cttntgtca nccagaaact gtattttcat ntcagcntag 150
tgacgatgaa tcaagtagtg atgaaccngt aatcagccca gtcntgcctt 200
tagangacnc cgtgttagga agaagaccgt ttntgnntca gaatntgaag 250
accggntagt tgctgaacaa gaaactgaac cttntaagga gttgagtaaa 300
cgtcagttca gtagtggctt caataagtgt gttatacttg ctttggtgat 350
tgcaatcagc atgggatttg gccatttota tggcacaatt cagattcaga 400
agcgtcaaca gttagtcaga aagatacatg aagatgaatt gaatgatatg 450
aaggattatc tttcccagtg tcaacaggaa caagaatctt ttatagatta 500
taagtcattg aaagaaaatc ttgcaagggt ttggacactt actgaagcag 550

agaagatgtc ctttgaaact cagaaaacga accttgctac agaaaatcag 600
 tatttaagag tatccctgga aaaggaagaa aaagccttat cctcattaca 650
 ggaagagtta aacaaactaa gagaacagat tagaatattg gaagataaag 700
 ggac 704

<210> 226
 <211> 627
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 30, 46, 51, 66, 90, 95, 179
 <223> unknown base

<400> 226
 ggtccccaac gggccccccg ggtcggtttn ccgcgttggc catgantgcg 50
 nccgtgttct ttcgngtgcg ccttcatttg ccttcgggcn tgcgntcgcc 100
 ctttatgtct tcaccatcgc catcgagccg ttgcgtatca tcttcctcat 150
 cgccggagct ttcttctggg tgggtgtctnt actgatttcg tcccttgttt 200
 ggttcatggc aagagtcatt attgacaaca aagatggacc aacacagaaa 250
 tatctgctga tctttggagc gtttgtctct gtctatatcc aagaaatggt 300
 ccgatttgca tattataaac tcttaaaaaa agccagtga ggtttgaaga 350
 gtataaacc aggtgagaca gcaccctcta tgcgactgct ggcctatggt 400
 tctggccttg gctttggaat catgagtga gtattttcct ttgtgaatac 450
 cctatctgac tccttggggc caggcacagt gggcattcat ggagattctc 500
 ctcaattctt cctttattca gctttcatga cgctgggtcat tatcttgctg 550
 catgtattct ggggcattgt attttttgat ggctgtgaga agaaaaagtg 600
 gggcatcctc cttatcgttc tcttgac 627

<210> 227
 <211> 647
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 19, 36, 42, 65, 67, 101, 107, 112, 147, 224, 292
 <223> unknown base

<400> 227
 gaccaagggg ccgggtagnt tacctatatt tgggttnatgg tntaattata 50
 gaccaggaaa gagcntntta tgtctccatc ttgatttccg tggcagccaa 100
 ntgcctntat gnatactctc acatcccagc tttttcataa taaatantac 150
 atgctgggtg ctcgtggatt gttgggaatt ggagcaggaa atgtagcagt 200

tgtagatca tatactgctg gtgntacttc ccttcaggaa agaacaagtt 250
ccatggcaaa cataagcatg tgtcaagcat taggttttat tntaggtcca 300
gtttttcaga cttgttttac attccttggg gaaaaagggtg tgacatggga 350
tgtgattaaa ctgcagataa acatgtatac aacaccagtt ttacttagcg 400
ccttcctggg aatttttaaatt attattctga tccttgccat actaagagaa 450
catcgtgtgg atgactcagg aagacagtgt aaaagtatta attttgaaga 500
agcaagtaca gatgaagctc aggttcccca aggaaatatt gaccaggttg 550
ctgttggtggc catcaatgtt ctgttttttg tgactctatt tatctttgcc 600
ctttttgaaa ccatcattac tccattaaca atggatatgt atgcctg 647

<210> 228
<211> 697
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 72, 75, 81, 92, 116, 135, 153, 157, 170, 248, 267, 271, 332, 498,
570
<223> unknown base

<400> 228
tgaaattatt aaaccaaaca aacaaacaaa aaccocggaat gcattgtata 50
ggattgcatg tgaagtcttt tntantgaat ntatatctcc anttgaagtg 100
attttaagtt aacatntgaa ggcaggaaat gattnccttt ccagtaaaaa 150
gtntagntaa tttaattaan ttagtgacac caccaagtgt tttgatataa 200
ctaaatttgt ggtaataaga ttgtctgcac ctgtattcat tgtggaantt 250
cctctttcat tggaaanttt nttactcaag aatgacggca gtattgtttt 300
cttatatgtg caatgaagtg gaatgggttaa cngtatgccc tttaaatttaa 350
aatgggttcc ttgttctgat gttgtttcct gaaatgattt ttcttcctaa 400
ctgtgggttt cgggtatgca agcctaaatc tttgtacact ttgtctcaca 450
gaatagttct gaggtccat gacagggttt tgtcattgtt gatgttantg 500
ttgcttcgtt ttataaaaaa gccaaaattt ttttccaatc caaacgttca 550
cctgtttcct ttctcaagn tataccagtg taataccagt taccctgtgg 600
atccatttaa tatgttatcc ccactaatta attttcgtat attatttcca 650
atatttgtaa agctctttat agccatttgg tatttctat taccac 697

<210> 229
<211> 621
<212> DNA
<213> Homo Sapien

<220>

<221> unsure
<222> 90, 145, 189, 249
<223> unknown base

<400> 229
ttttcaattt gccagtttgt ggatgatgaa ttgacttaaa tcgaactaaa 50
ttggaatgtg aatctgcatg tacgaagcat attcccaatn tgatgagcaa 100
tatgcttgcc atcttggttg ccagaatcag ttccattcgc tgaantggac 150
aagaacaact tatgtccctg atgccaaaaa tgcacctant ctttcctcta 200
actcttggtg aggtcattct ggagtgcacat gatggactcc gcacagagnt 250
tcataacctc ttcattggact ttttatcttc aagccgatga cggaaaaata 300
gttatattcc agtttaagcc agaaatccca gtaogcacca catttgagac 350
aggagcctac aaatttgaga gaatcatctc taagcaaaat gtcctatctg 400
caaatgagaa attcacaagc gcacaggaat tttcttgaag atggagaaag 450
tgatggcttt ttaagatgcc tctctcttaa ctctgggtgg attttaacta 500
caactcttgt cctctcgggtg atggtattgc tttggatttg ttgtgcaact 550
gttgctacag ctgtggagca gtatgttccc totgagaagc tgagtatcta 600
tggtgacttg gagtttatga a 621

<210> 230
<211> 864
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 654, 711, 748, 827
<223> unknown base

<400> 230
tcctgctgat gcacatctgg gtttggcaaa aggaggttgc ttcgagccgc 50
cctttctagc ttcttgcccg gctctagaac aattcaggct tcgctgcgac 100
tagacctcag ctccaacata tgcattctga agaaagatgg ctgagatgac 150
agaatgcttt attttggaag gaaacaatgt tctagggtcaa actgagtcta 200
ccaaatgcag actttcacaa tggttctaga agaaatctgg acaagtcttt 250
tcatgtgggt tttctacgca ttgattccat gtttgctcac agatgaagtg 300
gccattctgc ctgcccctca gaacctctct gtactctcaa ccaacatgaa 350
gcatctcttg atgtggagcc cagtgatcgc gcctggagaa acagtgtact 400
attctgtcga ataccagggg gagtacgaga gcctgtacac gagccacatc 450
tggatcccca gcagctggtg ctactcact gaaggtcctg agtgtgatgt 500
cactgatgac atcacggcca ctgtgccata caacctttgt gtcagggccca 550

cattgggctc acagacctca gcctggagca tcctgaagca tccctttaat 600
 agaaactcaa ccatccttac ccgacctggg atggagatca ccaaagatgg 650
 cttncacctg gttattgagc tggaggacct ggggccccag tttgagttcc 700
 ttgtggccta ntggaggagg ggcgaacccc ttgcggcgca aggggttngc 750
 gaacccttg cggccgctgg ggtatctctc gagaaaagag aggccaata 800
 tgaccacat actcaatatg gacgaantgc tattgtccac ctgtttgagt 850
 ggcgctgggt tgat 864

<210> 231
 <211> 595
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 59, 62, 82, 121, 425, 446, 523, 563
 <223> unknown base

<400> 231
 tagagcgaca gtggaagggg catgacctc aatgaggacg gccttgtttc 50
 ctgggaggng tntaaaaatt ccaacctacg gntacgtttt agatgatcca 100
 gatcctgatg atggattcaa ntataaacag atgatgggta gagatgagcg 150
 gaggtttaa atggcagaca aggatggaga cctcattgcc accaaggagg 200
 agttcacagc tttcctgcac cctgaggagt atgactacat gaaagatata 250
 gtagtacagg aaacaatgga agatatagat aagaatgctg atggtttcat 300
 tgatctagaa gagtatattg gtgacatgta cagccatgat ggggaatactg 350
 atgagcccg aatgggtaaa gacagagcga gagcagtttg ttgagtttcg 400
 ggataagaac cgtgatggga agatngacaa ggaagagacc aaagantgga 450
 tccttcctc agactatgat catgcagagg cagaagccag gcacctggtc 500
 tatgaatcag accaaaacaa ggntggcaag cttaccaagg aggagatcgt 550
 tgacaagtat gantttattg ttggcagcca ggccacagat tttgg 595

<210> 232
 <211> 460
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 90, 99, 147, 222, 234, 271, 412
 <223> unknown base

<400> 232
 accgccttca gttactccag gtagccccgt agcatttaaa gaacaaaatc 50
 tgtccagtca aagtgatttt cttcaagagc cgttacaggn tacttcttnt 100

ccagttactt gtagctcaaa tgcttgcttg gttactaccg atcaggnttc 150
 ttctggatct gaaacagagt ttatgacctc agagactcct gaggcagcaa 200
 ttcccccagg caagcaaccg tnttcaactag cttntccaaa tcctcccatg 250
 gcaaagggct ctgaacaggg nttccagtca cctccagcaa gtagtagttc 300
 agtaaccatt aacacagcac cctttcaagc catgcagaca gtatttaacg 350
 ttaatgcacc tctgcctcca cgaaaagaac aagaaataaa agaatccct 400
 tattcacctg gntacaatca aagttttacc acagcaagta cacaaacacc 450
 accccagtgc 460

<210> 233
 <211> 660
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 7, 13, 31, 107, 127, 129, 131, 159
 <223> unknown base

<400> 233
 cggaanccc ganccggttg ccccggggaa nccgtgcggc cccttcctgc 50
 ccgttcccat ccttgccggg gttccagcac ctttgaagtt tttgcagcgc 100
 ccgaaangga ggcgaggaag gagggantnt ntgagaggag ggagcaaaaa 150
 gcttcacnt aaaacattta tttcaaggag aaaagaaaaa gggggggcgc 200
 aaaaatggct ggggcaatta tagaaaacat gagcaccaag aagctgtgca 250
 ttgttggtgg gattctgctc gtgttccaaa tcatgcctt tctggtggga 300
 ggcttgattg ctccagggcc cacaacggca gtgtcctaca tgtcggtgaa 350
 atgtgtggat gcccgtgaaga accatcacia gacaaaatgg ttcgtgcctt 400
 ggggaccaa tcattgtgac aagatccgag acattgaaga ggcaattcca 450
 agggaaattg aagccaatga catcgtgttt tctgttcaca tccccctccc 500
 ccacatggag atgagtcctt ggttccaatt catgctgttt atcctgcagc 550
 tggacattgc cttcaagcta aacaaccaa tcagagaaaa tgcagaagtc 600
 tccatggacg tttccctggc ttaccgtgat gacgcgtttg ctgagtggac 650
 tgaaatggcc 660

<210> 234
 <211> 564
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 71
 <223> unknown base

<400> 234
 tttgtttccc gggaccttgg tggcagttct gcagccacag aggcagtggc 50
 gatttttgaca gccacatacc ntgtgggtca catgccatac ggctgggtga 100
 cggaaatccg tgctgtgtat cctgctttcg acaagaataa ccccagcaac 150
 aaactggtga gcacgagcaa cacagtcacg gcagcccaca tcaagaagtt 200
 caccttcgtc tgcattggctc tgtcactcac gctctgtttc gtgatgtttt 250
 ggacacccaa cgtgtctgag aaaatcttga tagacatcat cggagtggac 300
 tttgcctttg cagaactctg tgttgttcct ttgcggatct tctccttctt 350
 cccagttcca gtcacagtga gggcgcattc caccgggtgg ctgatgacac 400
 tgaagaaaac cttcgtcctt gccccagct ctgtgctgcg gatcatcgtc 450
 ctcatcgcca gcctcgtggt cctaccctac ctgggggtgc acggtgacgac 500
 cctgggctgtg ggctccctcc tggcgggctt tgtgggagaa tccaccatgg 550
 tcgccatcgc tgcg 564

<210> 235
 <211> 461
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 34, 196-197, 307
 <223> unknown base

<400> 235
 cggacgcgtg ggttttaaaaa ttactcataa tcgntccatt gataatacta 50
 aatttagttt cccctgtctt tagtgtctaa ttgtcagcca gaaaattagg 100
 aatctgttgc acttgatttt taagtaactt atctaaaact atgtgccatt 150
 ttaacagtga gcattactta gttgcatttt ccaaatttat tatttnntca 200
 tttcttaact gtagactatt atttcaaaat tttaaattta gtttttgatg 250
 ttttagagaa atgaagccac agtggcttag cacatctttg tgtttctatt 300
 atttatntat ttttttgaga cagagtcttg ctgtgttgct caggctggag 350
 tgcagtgggtg cgatctcagc tcaactgcaac ctctgcctcc cgggttcaag 400
 tgattttcct gcctcagcct cccaagtagc tgggattaca gacacctgcc 450
 accatgtccg g 461

<210> 236
 <211> 307
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure

<222> 93
<223> unknown base

<400> 236
gaggtcatct ccatttcac cccgataaat gagtatgcaa ggaacgtttt 50
tataggcatt ttggagatca aagatgggta gaaaagatgc tgntactata 100
aaacttcctg ttgatcagta cagaaaacaa attggtaaac aggattataa 150
aaaaactaaa cctattttac gagctaccaa attaaaagca gaagcaaaga 200
aaacagcaat aggcataaag gaagttggcc ttgtacttgc agctatattg 250
gcactactac tggctttcta tgctttcttt tatctcagac tcaccacgga 300
aatgttg 307

<210> 237
<211> 468
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 53, 67
<223> unknown base

<400> 237
cgggggaacc cgagccggtt gcgccggggg aatccgtgcg ggcgccttcc 50
gtnccggtcc catcctngcc gcgctccagc acctttgaag ttttgcagcg 100
cccagaaagg aggcgaggaa ggagggagtg tgtgagagga gggagcaaaa 150
agctcaccct aaaacattta tttcaaggag aaaagaaaaa ggggggggcgc 200
aaaaatggct ggggcaatta tagaaaacat gagcaccaag aagctgtgca 250
ttgttggtgg gattctgctc gtgttccaaa tcatcgctt tctggtggga 300
ggcttgattg ctccagggcc cacaacggca gtgtcctaca tgtcggtgaa 350
atgtgtggat gcccgaaga accatcacaa gacaaaatgg ttcgtgcctt 400
ggggacccaa tcattgtgac aagatccgag acattgaaga ggcaattcca 450
agggaaattg aagccata 468

<210> 238
<211> 490
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 110, 128, 151, 215, 229, 268, 274, 282, 343, 363, 383, 489
<223> unknown base

<400> 238
tccataatga ccgtgtggnt gtccacagcc ccgacagagc ccctgaccc 50
aattgtacca ggtgcggtgc ctgttccagt caccattgtt cgccaaggca 100

ggggacacgn tttcagggac atgtttgntt attgccaaca aaagacagag 150
 ntacgacatc agtattgtgg cccaggtgga ccagaccggc tccaagtcca 200
 gtaacctcct ggatntgaaa aaccccttnt ttagatacac gggcacaacg 250
 ccctcacccc caccggntc ccantacaca tntccctcgg aaaacatgtg 300
 gaacacgggc agcacctaca acctcagcag cgggatggcc gtngcagggg 350
 tgccgaccgc ctntgacttg agcagtgtta ttnccagtgg ctccagcgtg 400
 ggccacaaca acctgattcc tttaggggtcc tccggcgccc agggcagtgg 450
 tgggtggcagc acgagtggcc actatgcagt caacagccng 490

<210> 239

<211> 583

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 37, 53, 71, 79, 89, 100, 166, 258, 260, 302, 327, 334

<223> unknown base

<400> 239

ttcccctaatt ggggtgtttg accccattc cggttgntaa gtggtttttc 50
 ccnatcatcg gccaaattgg nattttcana tccacaggng tcattgggan 100
 tttggggggc cctaatttgt ttcagacagg ccgggaggca gtttgccaga 150
 aggattctta agtaantgac ccagcccttt gccccacccc ctgggggtacc 200
 gagacatggg tagggattag agcaagagtt gagagtcaga ccatccagga 250
 accacatntn tggaccttca gaaggaggac aacatggcct ttggaaagcc 300
 tnccaagtac tggaagtgg accctgntca ggtntatgct agcggggccc 350
 acgcatggga cacggctgtg cacgacgcct ctgaggagta caagcacgcg 400
 atgcacaatc tctgctgtga caactgccac tcgcacgtgg cattggccct 450
 gaatctgatg cgctacaaca acagcaccaa ctggaatatg gtgacgctct 500
 gcttcttctg cctgctctac gggaagtacg tcagcgttgg ggccttcgtg 550
 aagacctggc tgcccttcat ctttctctg ggc 583

<210> 240

<211> 546

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 25, 57, 97, 254, 341

<223> unknown base

<400> 240

tttttcaggg agaattttga ggctntgttg agaatcatgc tttggaggca 50

gctcatntat tggcaactgc tggctttgtt tttcctccct ttttgcntgt 100
 gtcaagatga atacatggag gtgagcggaa gaactaataa agtgggtggca 150
 agaatagtgc aaagccacca gcagactggc cgtagcggct ccaggagggga 200
 gaaagtgaga gagcggagcc atcctaaaac tgggactgtg gataataaca 250
 cttntacaga cctaaaatcc ctgagaccag atgagctacc gcaccccgag 300
 gtagatgacc tagcccagat caccacattc tggggccagt ntccacaaac 350
 cggaggacta cccccagact gcagtaagtg ttgtcatgga gactacagct 400
 ttcgaggcta ccaaggcccc cctgggccac cgggccctcc tggcattcca 450
 ggaaaccatg gaaacaatgg caacaatgga gccactggtc atgaaggagc 500
 caaaggtgag aagggcgaca aaggtgacct ggggcctcga ggggag 546

<210> 241
 <211> 546
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 126
 <223> unknown base

<400> 241
 ggtgatctga aagatagcca aggatttttc agaacacaag aaaaaagagg 50
 gatgaaaagt gaaaaagaaa ttagaagata tggataataa atcccaggag 100
 aggtaatatg catccaatca aacatntaat agaaaatttc ctacagggaa 150
 taaaagaaaa agattcttaa gatcgaaagg gccagttgat agtggtagcc 200
 aggaggaagg agtgggtttt caccagata tatcctggtg aaatttctga 250
 attctgcagc ttacaagaaa attctgaact cttccaggga agaacaagct 300
 atgtacaaag gaataagaat cttattcatt aactaaaga caatgctttt 350
 gatcattgtc tatagctatg tgtattttga acctagaatt ccgtactcag 400
 cccaactgtc atttatgtat gagaacaaaa ttaacttttt ggaatttgca 450
 gactcatatt cttttcgaaa aaaatactgt gggatgtacc aaaacaaaaa 500
 aataagtcaa gaagcaacaa ctcaaggcat aagaaacagt agcgag 546

<210> 242
 <211> 549
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 100, 121
 <223> unknown base

<400> 242

ttccagagag cccttgagaa gaccaagggc aaagtgagca tgaggttctc 50
ctctctctgc ccacctcca cgtccactgc ctctggccgc agaccagcn 100
tcgtgatcga tgggagaagc ntggcctacg ctctcgagaa aaacctggag 150
gacaaattcc tcttccttgc caagcagtgc cgctccgtcc tctgctgtcg 200
gtcgacgcct ctgcagaaga gcatggtggt gaagctggtg cggagcaagc 250
tcaaggccat gacctgggcc ataggtgatg gagccaatga tgtcagcatg 300
atccaggtgg cagatgtggg tgtgggaatc tccggccagg agggatgca 350
ggcagtgatg gccagcgact ttgcagtgcc gaaattccga tacctggaga 400
ggctcttgat tcttcacggg cattggtgct actcccgact tgccaacatg 450
gtgctgtact tcttctacaa aaacacaatg ttcgtgggcc tcctgttttg 500
gttccagttt ttctgtggtt tctctgcac taccatgatt gaccagtgg 549

<210> 243
<211> 549
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 97, 120
<223> unknown base

<400> 243
ttcccagcga ggatcctgtc cctggaggct gtaatttga gttcgattta 50
gatattgatc ccaacattta cttggagtat aatttctttg aaacgantat 100
caagtttgcc ccagcaaacn taggctatgc gagaggcgta gatccccac 150
catgtgacgc tgggacagac caggactcca ggtggagggt gcagtatgat 200
gtctatcagt atttttctgcc tgagaatgac ctcactgagg agatgttgct 250
gaagcatctg cagaggatgg tcagtgtgcc ccagggaag gccagtgtc 300
tcaagggtgt taccctaaca gctaataata agacaagtgt ttccttctcc 350
tccttcccg gacaagggtg catatacaat gtcattgttt gggaccggt 400
tctaaataca tctgctgcct acattcctgc tcacacatac gcttgagct 450
ttgaggcagg agagggtagt tgtgcttccc taggaagagt gtcttccaaa 500
gtgttcttca ctctttttgc cctgcttggg ttcttcattt gtttctttg 549

<210> 244
<211> 448
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22
<223> unknown base

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<400> 244
attcttaagt cagttgatcc anttattcat tcatcaaata ttgattgaga 50

acctactgtg tgccaagtgt tatttttaggc cctgggacca agtaataaat 100

aagaggacac aggccatgca ctcacggagc ttctgttttc cttggcagag 150

cagacatggg gcaggggtgt ctgagggctt cctcaggatg gtgtgggtctg 200

tgctggttgt ggttgtcttg acaggttggg cctcatgggc agatggtacc 250

tgtcaggcag ggagtgtggg ggcaaccagg atgaacagtt ataagaccat 300

ttctaatact tgtatttttt tttctcctag ggaaaaattg gaagaaaaag 350

ccaaattata tgaaaaaatg actaaaggag actttataga tgaagaagta 400

gaggatatgt accttgtgga ttccacacag aagatcatag acaagcgc 448

<210> 245
<211> 567
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 3, 35, 49, 81, 106, 146, 152, 227, 239, 293, 308, 358, 427, 448,
476, 480, 566-567
<223> unknown base

<400> 245
ggntacccga aggccaagct ttttaacaat ttgntttgt aatcaatgng 50

taattcatga tgaattatth tgactaatgg ntagccgaag gccaagcttt 100

taattntaat aggtaatgtt cttcttttgt cttattgaaa caatgngaatt 150

antctgtgca tttcaaattg actccgatta tgctgtgggt ttattcacat 200

aagcacaata tgtgtttttat ttataanttc ataacaaant tataatataa 250

taattttacct tagcagacat gcaaaaagctt attcttgtgt gantttacttt 300

ctttaagnta ataataataa aataaatatg tatcttaaaa atctataata 350

aaacattnga aattaaagat atgtgctttt tatttttgag atgagttcat 400

ttgcttctgt agatgtgttt tcagagntag gtacagagga atgtttgnta 450

ccttttagcgg tgaaaaaaga aagagngtcn agaattttgt tggattgtgt 500

ttgtgtgtgc atatatttga tatcatcatc atacattgta atctttggac 550

ttgtaatcat agcctnn 567

<210> 246
<211> 539
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 33, 100, 115, 153, 158, 185, 194, 263, 273, 286, 325, 371, 400,

```

404, 410, 454, 458, 485, 508, 539

<223> unknown base

<400> 246

ttcccactgt aatgccaaat gatccatagc ctnttcagat tccttataaa 50
atttaaacca agagaggaga ggaaagggtg aattttctgt aatgaccttn 100
tgcttaatag tcttntagaa aaaggaaagg tgatgagcaa ataaaggaaac 150
ttntagantt tacatgacta ggctgataat cttanttttt aggnttctat 200
acagttaatt ctataaattc tctttctccc tctcttctcc aatcaagcac 250
ttggagttag atntaggtcc ttntatctcg tccctntaca gatgtatttt 300
ccacttgcat aattcatgcc aacantgggt ttcttagggt tctccatttt 350
cacctctagt gatggcccta ntcatatctt ctctaatttg gtcctgatan 400
ttgnttcgtn tcacgttttc ccatttccct gtggctcact gttttacaat 450
cacngctntg gaatcatgat accactttta gctcnttgca tcttccttca 500
gtgtattntt gtttttcaag aggaagtaga ttttaaantn 539

<210> 247

<211> 508

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 9, 38, 45, 78, 469

<223> unknown base

<400> 247

cggagcctnt gcaggaggag cttttcggtc ctggccgnga ttttntgcag 50
gccccacgag tgggaggtgc tgagccgntc aggttctccc ttttgccact 100
ggaatcagga gaatgttgca gaggaattgc attcctggta acaagataac 150
ccagcaagac tcagactgct aacccaagga tcaactatta aggccagaca 200
gatgggaccg tgttcagaat tcacacaaaa gctgaaggat ttatggatgc 250
ggatatacct ctggaattgg tgttccattt gccagtcaat tacccttcat 300
gtctacctgg tatctcgatt aactctgaac agttgaccag ggcccagtgt 350
gtgactgtga aagagaattt acttgagcaa gcagagagcc ttttgtcgga 400
gcctatgggt catgagctgg ttctctggat tcagcagaat ctcaggcata 450
tcctcagcca accagaaant ggcagtggca gtgaaaagtg tactttttca 500
acaagcac 508

<210> 248

<211> 540

<212> DNA

<213> Homo Sapien

<220>
<221> unsure
<222> 85, 100, 104, 133, 156, 395, 468
<223> unknown base

<400> 248
tcgggttttc ggagcagttt tcgaatggac agctccgtgg aggaggatga 50
acttatgtta aatgaaggta agagttttgg gcatnttatg cccctttgn 100
tctntgacag ctctgtgtct tgtctttggc ctntatccac ctctttccaa 150
gacaantgat gataagacca gcggctttta gaaatgtgaa accaagtcaa 200
ttgtgtcatc gtccatcagt gcttttacat tgctgtgat caaaattaat 250
aactgtgtta ttgatgagcc cagtatagat aacatcactg aagatgctga 300
caacctcaaa agtaggtcaa ggaatttgct aatggattcc cttgtgggtc 350
ctttgcccac caccagtga tcttccagc ccgtcagcac agtgntacca 400
aggaataatt ccattgggga gtcgttgctg agtcagtaca agtcatttat 450
ggctctcgga cctggggntg gacagctctt gtctcctggg gctgccagaa 500
gacagtttgg gtccaatata tcttgcatt tgctctcgtc 540

<210> 249
<211> 618
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 12, 66, 90, 187, 263, 311, 508, 511, 547, 555, 610
<223> unknown base

<400> 249
tccttacaag gnccgtgtaa catgacactg ttaatgattg catttggtt 50
gctgtggggg catttnttgc ggatcaaacc cacgcagagn gttttcattt 100
tccaagtgtc tgtccttgtc aagcacaccc cttgtgtcca ggttcctcat 150
gggcagtgtc cgggggtgaca aagaaggcga cattgantac agcaccgtgc 200
tcctcggcat gctgggtgacg caggacgtgc agctcgggct cttcatggcc 250
gtcatgccga ctntcataca ggcgggcgcc agtgcattct ctagcattgt 300
cgtggaagtt ntccgaatcc tgggtttgat tggtcagatt cttttttcac 350
tagcggcggt ttttctttta tgtcttgta taaagaagta tctcattgga 400
ccctattatc ggaagctgca catggaaagc aagggaaca aagaaatcct 450
gatcttggga atatctgcct ttatcttctt aatgttaacg gtcacggagc 500
tgctggangt ntccatggag ctgggctgtt tctggctgg agcgtngtc 550
tcctntcagg gccccgtggt caccgaggag atcgccacct ccacgaacc 600
catccgcgan ttcttgge 618

<210> 250
 <211> 626
 <212> DNA
 <213> Homo Sapien

 <220>
 <221> unsure
 <222> 33, 35, 67, 70, 91, 114, 133, 143, 177, 267, 394, 421, 447, 484,
 536, 540, 561, 569
 <223> unknown base

<400> 250
 caacttacct gaaatgcgct attgaatgca cgnngggaaa atccttggtt 50
 tccaggatga cacctantan tgcagtttga ttggcagaat ngtcgatacg 100
 atggctggca aatntcctgg tccctttccc aantgtgact ggngattcaa 150
 tgagtttccc aaccagttg cccatgntct ccatgttact tgtgtggagc 200
 tcatggcctt ggcagtttca ggcaaagaag ttgggaatgc ccttctaaat 250
 gttgtcctaa aaagtcngcc tttagtcca agagagaaca ttgcagcatg 300
 gatgaatgca attggtttga tcatcactgc cctaccagag ccatattgga 350
 ttgttcttca tgatcgaatt gtgagtgtca tcagcagccc cagnttgacg 400
 tctgaaacag agtgggttgg ntatccattc cgcctctttg atttcantgc 450
 ctgtcatcag tctactctg agatgagttg tagntatacg ttagctcttg 500
 cacatgctgt gtggcaccat tttagcatcg gacaantttt tctcattcca 550
 aagtttctta ntgaagtant tcttctata gtgaagaccg aattccagtt 600
 gctttatgta taccatcttg ttggac 626

<210> 251
 <211> 602
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 34, 80, 94, 300, 388
 <223> unknown base

<400> 251
 gaagggcatt ttcaggagc agaatgacaa gacntattgt caaccttgct 50
 tcaataagct cttccactg taatgccaan tgatccatag cctnttcaga 100
 ttcccttata aaatttaaac caagagagga gaggaaggg taaattttct 150
 gttactgacc ttctgcttaa tagtcttata gaaaaaggaa aggtgatgag 200
 caaataaagg aacttttaga ctttacatga ctaggctgat aatcttattt 250
 tttaggcttc tatacagtta attctataaa ttctctttct ccctctcttn 300
 tccaatcaag cacttggagt tagatctagg tccttctatc tcgtccctct 350

acagatgtat tttccacttg cataattcat gccaacantg gttttcttag 400
 gttttcccat tttcacctct agtgatggcc ctactcatat cttctctaata 450
 ttggtcctga tacttggtttc ttttcaogtt ttcccatttc cctgtggctc 500
 actgtccttac aatcactgct gtggaatcat gataccactt ttagctcttt 550
 gcatcttcct tcagtgtatt tttgtttttc aagaggaagt agattttaac 600
 tg 602

<210> 252
 <211> 455
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 48, 251, 266, 352, 391
 <223> unknown base

<400> 252
 atttgtttgt ataataataat acatatagat agagggggcga taatatantg 50
 gtagacaaag aatgcaggaa atgcccttat tcatcacacc accaagcagg 100
 cctcacccta aagaccagc aaaagtaaca aaagcacatt tggaaaccca 150
 ggaagccagt aaaagtaaata ctaaaggctg acaggggtgta cattattatg 200
 tatgtgcaat ataaatcaaa ttcaaagctg ttttctctta aattttgata 250
 nttatagaga cagganttgcc catggggaat ttctttcccc ttactatata 300
 attttattac tagaaggaaa agtaatatga atgataataa tgaacagact 350
 tngtgtcttt attacatttg ctttcctagt tacctttaga ntgtcacttc 400
 tgagttcttt ctctgacatg cttttctttt ctogtgaagc gtcttacatt 450
 ctgac 455

<210> 253
 <211> 461
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 6, 10, 30, 115, 198, 210, 229, 289, 291, 325, 333, 338, 377, 391,
 401
 <223> unknown base

<400> 253
 aatttntatn tacatttggtg ataatatagn tagtgcgtaa gaatatttcc 50
 ccaaggctcag ttaagcaaga ttttcttatg atcatcattg ccatgaactt 100
 tcaaacatag cgatnttggtg aaaacagtgc ctgttaattt acaatgttta 150
 ccttgaacag ttgtcaagtg tgatttttat aaggagttgg tatgtttnta 200
 agcagttatn tacttgatct ttttaatatn ggggttaagg gaaacctgct 250

tacagcatca cctatTTTTtC attcaaattgg cacataatng ngcatgtgta 300
acagttgtgt acctttgtgg ggttnttttg ttntttgntt ttctttttga 350
gacagggttt cgttctgttg cccaagntgg agtacagtgg ntcgatctca 400
ntgcaacctc cccccccag gctcaagtga ttctttcacc tcggcctcct 450
gagtatccgg g 461

<210> 254
<211> 497
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 19, 191, 232, 304, 340, 342, 357, 400, 403, 423, 447, 476
<223> unknown base

<400> 254
cagcgaatgt tggggaacnt gattcggcct ccatatgaaa ggccagagct 50
ccccacatgt ctctatgtaa ttgggctgac tggcatcagt ggctctggga 100
agagctcaat agctcagcga ctgaagggcc tgggggcggt tgtcattgac 150
agtgaccacc tgggtcatcg ggcctatgcc ccagggtggcc ntgcctacca 200
gcctgtggtg gaggcctttg gaacagatat tntccataaa gatggcatca 250
tcaacaggaa ggtcctaggc agccgggtgt ttgggaataa gaagcagctg 300
aagntactca cggacattat gtggccaatt atcgcaaagn tngcccgaga 350
ggagatngat cgggctgtgg ctgagggaaa gcgtgtgtgt gtgattgatn 400
ccnctgtgtt gcttgaagcc ggnrtggcaga acctgggtcca tgaggtnntgg 450
actgctgtca tcccagagac tgaggntgta agacgcattg tggagag 497

<210> 255
<211> 913
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 39
<223> unknown base

<400> 255
cattatcaac ccagcgccac tcaaacaggt ggacaatanc agttcgtcca 50
tattgagtat gtgggtcata ttgggcctct cttttctcga gagatacccc 100
agcggccgca aggggttcgg ggtgataata gatcaatgtg ttggaagtga 150
tgggggatgga gaggcgagtc ccaactggcga tccgcagcag gatgcccac 200
agagagaagc tggggctttc caggacagca tagaaaggct ccacccgggc 250
tggatgctcc aggaccatcc cttcattctt aaaatgggca acgagaaacc 300

aggagacgtc cacctcacct tggagggaga tgaagtgggg gaggtggatt 350
 tcggcgacag cctcctctgg ctctgcagtg acatcaaaca aggggccgcc 400
 caccagccac tgttcatggt gctgcaggtc cagggccagg tgctgactcc 450
 aggaacaaaa cgcaatcgtc actgtgacct catcccttac caggaagccg 500
 aggctgtgg ctgaccacag ataccagcca gcagtgggga accaaacgct 550
 gtatctgttt gtgctcttat caatcaactc aacatccaca tttccttcag 600
 gccccagaaa ctgacgattt ttataatctt cttcgatctc aaaacagact 650
 ttagaagcat aagaggaaac tatttgattc tcttctgagc aaatgtctcc 700
 tgaatcttgt ccctctgaag attcctgctc ttctgatata ctgggaatgt 750
 cccccccaga tagttgacac tcaggaacag cacggaacaa taatggctct 800
 gcctctgtct catcatcttc ttggaaaaaa tgtgagcgga cgcgtgggtc 850
 gaggtcgagg gatctctaga ggatccggcc agtgtggcct atcgatagct 900
 tggagttgat tgt 913

<210> 256
 <211> 518
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 28, 82, 190, 205, 355, 382, 445, 484, 491, 498, 502
 <223> unknown base

<400> 256
 tggggatcct tggaccttgg acccaggngt ccgtggacgc ttggtagaaa 50
 gatggcggag caagagcaag gaaaaatccc tntgggtcca gaaaatctcc 100
 tgaaaaagag gaaggtttat caagccctca aagccaccca ggcaaagcag 150
 gcacttttgg caaagaagga gcagaagaaa ggaaaagggg tcagggttaa 200
 gcgantggaa tcattcctac atgattcctg gcggcagaaa cgtgacaagg 250
 tgcgtctcag acgactagaa gtgaaacctc atgccttgga attgccagat 300
 aaacattcct tggcctttgt tgtacgcacg gaaaggattg atggcgtgag 350
 ttantgggtg cagagaacca ttgcaagact tngcctaaag aaaattttta 400
 gtggtgtctt tgtaaaagtc accccccaga atctaaaaat gctgngtata 450
 gtggaacctt atgtgacctg gggatttcca aatntgaagt ntgtccngna 500
 antcattttg aaacgtgg 518

<210> 257
 <211> 301
 <212> DNA
 <213> Homo Sapien

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<220>  
<221> unsure  
<222> 44, 55, 60, 81, 172, 194, 225, 268, 279  
<223> unknown base
```

<400> 259
aatggcggtg tntacagtgt tctgganttn gtcgntgatg cttgctctgt 50
caaggcacag cctattgtct cctttgctca gtgtgacatc attcagacgc 100
ttttacagag gtgacagccc aacagattcc caaaaggaca tgattgaaat 150
ccctttgcct ccatggcagg agagaantga tgaatccatn gaaaccaaaa 200
gagcccgct gntctatgag agcagaaaga ggggaatntt ggaaaagtgc 250
caggtagtgg agtaaaaaag gngacagttt atttttttat tctatgtgca 300
canttacagt atacatatat atttatatca caatttacga aaccaaaaag 350
ttgagtttcc aatggaaccc ttgtttttta ataatngact ttttaaagt 400
gatcaagact ataatatgt acagttatta tagggctttt ggggaagggg 450
aggatagcga gaagatgctc tgggggtttt gtttttgctt ttccttcagg 500
gttttatttt tgantgtttt gttttcttgt tggcc 535

<210> 260
<211> 519
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 11, 69, 150, 224, 229, 254, 354, 371, 396, 420, 429, 433, 475,
483, 486
<223> unknown base

<400> 260
tggatttata nttttcttct atgtagttac tataaaaagtg tgctggattt 50
gaccaatcct tacccccant ataaagagaa cccgtgatga ctttagttta 100
aaaattgtgg aaattgtgga gcaatttttc tcacaatgtg agaaaaattn 150
taaaccatat tagataatgt ggaagtcata ttgtctatca tatatactgc 200
catttaaaaa taggttttta aaanttagnt aagtcttaag taatttgccg 250
ttgntaataa ttttatctcc ttgagtcggt tgttggggag agatgttata 300
ttcaataatt tttagttatt ttgtaatgca gagtgtttat tcatttcaca 350
gttntgcaat ggatgtagta ntttgggatt gccctgtcca gaaaantttc 400
aggtacacac ctttaaaggn aaatgtttnt atntcagatg aaacatgtaa 450
tttgggatgg ttcttccttt gtcanttaaa ggnagntagg aaaagtctct 500
taccactttt aaacatgag 519

<210> 261
<211> 407
<212> DNA
<213> Homo Sapien

<220>

<221> unsure
<222> 30, 40, 58, 102, 104, 148, 171, 190, 201, 226, 243, 295, 302,
332, 360, 380, 383
<223> unknown base

<400> 261
tctgtggtca acggggtcat ctttaaattgn ttggccgtgn ttgccctgtc 50
atcccacntg agaaccatgc tcaccgaccc tggggcagta cccaaaggaa 100
angntacgaa agaatacatg gagagcttgc agctgaagcc cggggaantc 150
atttacaagt gcccacagtg ntgtctgtatt aaacccgagn gggcccacca 200
ntgcagtatt tgcaaaaagat gtattnggaa aatggatcat cantgcccgt 250
gggtgaacaa ttgtgtagga gaaaagaatc aaagattttt tgtgntcttc 300
antatgtata tagctctgtc ttcagtccat gntctgatcc tttgtggatt 350
tcagttcatn tcctgtgtcc gagggcagtn gantgaatgc agtgattttt 400
cacctcc 407

<210> 262
<211> 513
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 35, 37, 64, 182, 211, 263, 329, 398, 410
<223> unknown base

<400> 262
cattcttgaa ccacttaatc ctctnttgac aacantngta gaacagaatc 50
ctgaagatat gggngaccta tacctagatg ttgctgaagc ttttctggat 100
gttggtgaat ataattctgc acttccccctc ctcagtgtc ttgtttgtc 150
tgaaagatac aaccttgag tagtttggt tngtcatgca gaatgtttaa 200
aggccttagg ntatatggag cgagctgtg aaagctatgg caagggtggt 250
gatctggccc cantccattt ggatgcaagg atttcaactt ctacccttca 300
gcagcagctg ggccagcctg agaaagctnt ggaagctctg gaaccaatgt 350
atgatccaga tacttttagca caggatgcaa atgctgcaca gcaggaantg 400
aagttattgn ttcacgttc tactctgttg ttttcacaag gcaaatgta 450
tggttatgtg gataccttac ttactatggt agccatgctt ttaaaggtag 500
caatgaatcg agc 513

<210> 263
<211> 650
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 37, 62, 71
<223> unknown base

<400> 263
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 tccagagacg antaaatggg ntgtcttcat cgggtggaata caacataatg 100
 gagttggaac agaacttgaa aatgtaaaga ctcttaagac aaaattagag 150
 aggcgaaaaa aggcttcagc atgggaaaga aatttggtgt atcccgctgt 200
 tatggttctc cttcttattg agacatccat ctcggtcctc ttggtggctt 250
 gtaatattct ttgcctattg gttgatgaaa cagcaatgcc aaaaggaaca 300
 agggggcctg gaataggaaa tgcctctctt tctacgtttg gttttgtggg 350
 agctgcgctt gaaatcattt tgattttcta tcttatggtg tcctctggtg 400
 tcggcttcta tagccttcga ttttttggaa actttactcc caagaaagat 450
 gacacaacta tgacaaagat cattggaaat tgtgtgtcca tottggtttt 500
 gagctctgct ctgcctgtga tgtcgagaac actgggaatc actagatttg 550
 atctacttgg cgactttgga aggtttaatt ggctgggaaa tttctatatt 600
 gtattatcct acaatttgct ttttgctatt gtgacaacat tgtgtctggt 650

<210> 264
 <211> 441
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 79, 106, 160
 <223> unknown base

<400> 264
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 ctcccgggct caagtgatcc gcctccctng gcctcccaga gtgctgggat 100
 tacagnacg gaccaccatg ccagcctcc acatcttttt ttgcaactgtg 150
 tatactcttn tgagacatgc caacttcctc caggtcaaga aaggggtata 200
 tagctctcag cttcactctt tcagggtga tgtcgctttt gccttttctc 250
 acttcactga cctgtctatt cctacaactg tctctttcta gagaagcctc 300
 aatgatcagg attgacaggc cacactctcc cccaccattt tttctctctc 350
 cttcaagcct cttgtctggt tcacctctt ccaccttgga ggctgaggtc 400
 ttatttgact cttcacctga attgaccttc ttccttccca c 441

<210> 265
 <211> 201
 <212> DNA
 <213> Homo Sapien

<220>
<221> unsure
<222> 21, 39, 67
<223> unknown base

<400> 265
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tatttcctcc tctctgnttt ttttttaatt ccctgtctgg ggaatcctgt 100
tatcctgata tgagcactct acttctattc tccatagcac ttagctcctt 150
taaaaaatatt ctctttgttc tctacttctg ccttctggga gagtttctca 200
g 201

<210> 266
<211> 301
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 94, 128, 146, 167, 232, 257
<223> unknown base

<400> 266
tttttttttc aagtcttgat ttgtggctta cctcaagtta ccatttttca 50
gtcaagtctg tttgtttgct tcttcagaaa tgtttttttac aatntcaaga 100
aaaaatatgt cccagaaatt gagtttantg ttgcttgat ttggantcat 150
ttgggggattg atgttantgc actatacttt tcaacaacca agacatcaaa 200
gcagtgtcaa gttacgtgag caaatactag anttaagcaa aagatatgtt 250
aaagctntag cagaggaaaa taagaacaca gtggatgtcg agaacggtgc 300
t 301

<210> 267
<211> 700
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 61, 67, 132, 134, 150, 183, 194, 197, 238, 355, 424, 431,
449, 465, 470, 478, 507, 509, 523, 527, 529, 533, 560, 578, 614,
644
<223> unknown base

<400> 267
gggcccagat tgcgaaattg aggcnccaag gcggccgaga cggactgaag 50
catttcaagg ntccgngggg ttcccatgat ttgaacggag tcgtttcccc 100
taatgggtgt ttgaccccc atcccgggtgc tnangtggtt tttccccatn 150
atcggccaac atgggcattt gaaatccaca ggngtcattg gganttnngcg 200
ggcccctaatt ttgtttcaga caggccggga gggcagtntg gccagaagga 250

ttcttaagta actgacccag ccctttgccc ccacccttgg ggtaccgaga 300
catgggtagg gattagaggc aagagtggag agtcagacca tccaggaacc 350
acatnttttg accttcagaa ggaggacaac atggcctttg gaaagcctgc 400
caagtactgg aagttggacc ctgntcaggt ntatgctagc gggcccaang 450
catgggacac ggctntgcan gacgcctntg aggagtacaa gcaccgcatg 500
cacaatntnt gctgtgacaa atnccantng cangtggcat tggcctgaa 550
tctgatgcgn tacaacaaca gcaccaantg gaatatggtg acgctctgct 600
tcttctgcct gctntacggg aagtacgtca gcgttggggc cttngtgaag 650
acctggctgc ccttcacctt tctcctgggc atcatcagcg gccgccgtaa 700

<210> 268
<211> 253
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 49, 120, 181
<223> unknown base

<400> 268
gaatctgttt ccaaaaaaaaaa aagctttaag aagtctttag atttacagnt 50
aagcatattc taaatactat gtgatgaatt atttctctta tgttaaaaaa 100
aatattaatt tggacccaan tatgactgtg ggtattctgc ccagggaga 150
agagctagga ggtttaaac ttaccttga nttgctgctt tgttttctat 200
gccttcttga cagaaggatt tatttcactt ccgaaatatt agccataatg 250
ccc 253

<210> 269
<211> 659
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 20, 33, 58, 200, 240, 403
<223> unknown base

<400> 269
cactaggaaa aattgaaatn ctattggaaa ttnttttggc cacaaaggta 50
aataggnta ccaggggaaa caggcatcaa gaaaattgcc ccaattttta 100
aaacaatagg gttatttgag tagttgagtt taagaaatga aaaccacaaa 150
ttttggtgga acttaaacac cacagtctat ttgtgtgtaa tttctcaggn 200
tttattatag ttcatgataa aatcaatttt ccatgtctan tttgtttttc 250
ttcaacaagt gatctatctt ttacaaaagg gaatatattg ctggagaaat 300

gctcattgtt tcccttctgt atgtctttga gggtaatgct aaaagcaagc 350
tcaaatttca aaatatgtta tttttaaaat attttatata ggatttgta 400
aanttatagt tttcaaggat tgtcttttgt ttctttggat tctgattaag 450
tgatttttaa tgtattcctt taaaaatatt tattggcaca ttgtatttgt 500
acatattgat gggataaaaat tgatgcttct gtacatatat atttggcata 550
atcatcaaat ttgggtatth agcttattca tcacctcatt cttttatcat 600
ttctttatgg tgagaacatt caaaagtctc tcttccagct attttataat 650
atattatac 659

<210> 270
<211> 628
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 51, 106, 111, 120, 140, 378, 513
<223> unknown base

<400> 270
ttcgggaagaa gcacctcaga gggattaagc tcttgagaat gttacctgca 50
ntatacctga tggcgtgcca atagatatca cagtgaagtt gatggtcttc 100
ccttgnacat ntcaacattn ttgaaccact taatcctctn ttgacaacac 150
tagtagaaca gaatcctgaa gatatgggag acctatacct agatgttgct 200
gaagcttttc tggatgttgg tgaatataat tctgcacttc cctcctcag 250
tgctcttggt tgctctgaaa gatacaacct tgcagtagtt tggcttcgct 300
atgcagaatg tttaaaggcc ttaggctata tggagcgagc tgctgaaagc 350
tatggcaagg tggttgatct ggccccantc cttttggatg caaggatttc 400
actttctacc cttcagcagc agctgggcca gcctgagaaa gctctggaag 450
ctctggaacc aatgtatgat ccagatactt tagcacagga tgcaaagtct 500
gcacagcagg aantgaagtt attgcttcat cgttctactc tgttgttttc 550
acaaggcaaa atgtatggtt atgtggatac cttacttact atgttagcca 600
tgctttttaa ggtagcaatg aatcgagc 628

<210> 271
<211> 585
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 71, 76, 86, 91, 162, 220, 269, 281
<223> unknown base

<400> 271

tggtttttgc ccataaaatt ccctcagctt gagcagtttg ttaaggaatg 50
 aggttacaga ttcaggaatt ntaggncttc aacctntaga ntttgtccca 100
 aatgtttctcc gacatgcagt agatgggaga caagaggaga ttctgtggt 150
 catcgctgca tntgaagaca ggcttggggg ggccattgca gctataaaca 200
 gcattcagca caacactcgn tccaatgtga ttttctacat tgttactctc 250
 aacaatacag cagacatnt ccggtcctgg ntcaacagtg attcctgaa 300
 aagcatcaga tacaaaattg tcaattttga ccctaaactt ttggaaggaa 350
 aagtaaagga ggatcctgac cagggggaat ccatgaaacc tttaaccttt 400
 gcaaggttct acttgccaat tctgggtccc agcgcaaaga aggccatata 450
 catggatgat gatgtaattg tgcaagggtga tattcttgcc ctttacaata 500
 cagcactgaa gccaggacat gcagctgcat tttcagaaga ttgtgattca 550
 gcctctacta aagttgtcat ccgtggagca ggaaa 585

<210> 272
 <211> 616
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 23, 80, 86
 <223> unknown base

<400> 272
 ccggaaacca tgaggaatg ccncaatggc atattgtaaa tgtcatttta 50
 aacattggta ggcttggac atgatgctgn attacntctc tttaaaatga 100
 cacccttcct tcgcctgttg gtgctggccc ttggggagct ggagcccagc 150
 atgctgggga gtgcggtcag ctccacacag tagtccccac gtggcccact 200
 cccgggcccc ggctgctttc cgtgtcttca gttctgtcca agccatcagc 250
 tccttgggac tgatgaacag agtcagaagc ccaaaggaat tgcaactgtg 300
 cagcatcaga cgtactcgtc ataagtgaga ggcgtgtgtt gactgattga 350
 cccagcgtt tggaataaaa tggcagtgtt ttgttactt aaagggacca 400
 agctaaattt gtattggttc atgtagtga gtcaaactgt tattcagaga 450
 tgtttaatgc atatttaact tatttaatgt atttcatctc atgttttctt 500
 attgtcacia gagtacagtt aatgctgcgt gctgctgaac tctgttgggt 550
 gaactggtat tgctgctgga gggctgtggg ctctctgtc tctggagagt 600
 ctggtcatgt ggaggg 616

<210> 273
 <211> 637
 <212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 26, 44, 60, 107, 114, 234

<223> unknown base

<400> 273

tgaagttgaa ttgaatgata tgaggntttt ctttcccaag gtcnaccagg 50
accaagattn ttttatagtt ataagccttg aaagaaattc ttgcaagggtg 100
ttggacnctt actnaagcag agaagatgtc ctttgaaact cagaaacgaa 150
ccttggtaca gaaaatcagt atttaaggcc cagaacttat tgaaagcgca 200
atgtacttct accgtgccac ggggggatccc accntcctag aactcggaag 250
agatgctgtg gaatccattg aaaaaatcag caagggtggag tgcggatttg 300
caacaatcaa agatctgcga gaccacaagc tggacaaccg catggagtcg 350
ttcttcctgg ccgagactgt gaaatacctc tacctcctgt ttgacccaac 400
caacttcac cacaacaatg ggtccacctt cgacgcgggtg atcacccct 450
atggggagtg catcctgggg gctgggggggt acatcttcaa cacagaagct 500
caccccatcg accctgccgc cctgcactgc tgccagaggc tgaaggaaga 550
gcagtgggag gtggaggact tgatgaggga attctactct ctcaaacgga 600
gcaggtcgaa atttcagaaa aacactgtta gttcggg 637

<210> 274

<211> 697

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 26, 59, 66

<223> unknown base

<400> 274

tatgggcata gaaaaccctg gaaagnccca tccaccatta tatatagagt 50
gattgtctnt gcttgntgag ctaacagggg tgtcaagctt ccattttggg 100
atctacttct aaatacactc agaccaggag aaatttggac taattttcaa 150
actacagaca ctttctaate atgatgcatt tcaaaagtgg actcgaatta 200
actgagttgc aaaacatgac agtgcccagag gatgataaca ttagcaatga 250
ctccaatgat ttcaccgaag tagaaaatgg tcagataaat agcaagttta 300
tttctgatcg tgaaagtaga agaagtctca caaacagcca tttggaaaaa 350
aagaagtgtg atgagtatat tccaggtaca acctccttag gcatgtctgt 400
ttttaaccta agcaacgcca ttatgggcag tgggattttg ggactcgcc 450
ttgccctggc aacactgga atcctacttt ttctggtact tttgacttca 500

gtgacattgc tgtctatata ttcaataaac ctctattga tctgttcaaa 550
 agaaacaggc tgcattgtgt atgaaaagct gggggaacaa gtctttggca 600
 ccacaggga gttcgtaatc ttgggagcca cctctctaca gaacactgga 650
 gcaatgctga gctacctctt catcgtaaaa aatgaactac cctctgc 697

<210> 275
 <211> 621
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 48, 82, 136
 <223> unknown base

<400> 275
 tgggacacgg gttaccccaa gngcagcgct ggcaaggcct tcatgatntc 50
 ggtgtgctct acgtgaccaa ttcccacctg gntggggcaa ggtctacttc 100
 gcctatttta ccaacacgtc cagtttagagt acacgnacgt gcccttccac 150
 aaccagtatt cccacatctc gatgctggat tacaaccccc gggagcgcg 200
 cctctatacc tggaacaacg gccaccaggt gctctacaat gtcacctgt 250
 ttcacgtcat cagcacctct ggggaccct gagccaatgc tgtggctcgg 300
 gctgctgctt ggggggctc cgggggctgg gggccctttt cattctgcct 350
 gtgtccctca agggatgatc ctctgtctct gtcacgcctt ttctccccgc 400
 ctttttgctg ggcttttggt ctctgcctat gtatttctgt ctattttttc 450
 aatttccctt cttctccttt attgatctct gcttttaata caccacttct 500
 ttctttctgc ctttttatgg atgtcttttt ctttttatgg ctctggttct 550
 ccagttcttt cgtctctgc ctctctctgt ctctctctct ctgtccttcc 600
 accctccct ccttgctcc c 621

<210> 276
 <211> 570
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 5, 28, 71, 73, 86, 126
 <223> unknown base

<400> 276
 cgaangcgtg ggtgtgcac cgggtgtntg aaggctgtgc ccgttttggt 50
 tcttggttaa aatcggggga ntnaggcggg cgggncggc gcgacaccgg 100
 gctccggaac cactgcacga cggggntgga ctgacctgaa aaaaatgtct 150
 ggatttctag agggcttgag atgctcagaa tgcattgact ggggggaaaa 200

gcgcaatact attgcttcca ttgctgctgg tgtactatth tttacagget 250
 ggtggattat catagatgca gctgttatth atcccacat gaaagatttc 300
 aaccactcat accatgcctg tgggtgttata gcaacatag ctttcctaath 350
 gattaatgca gtatcgaatg gacaagtccg aggtgatagt tacagtgaag 400
 gttgtctggg tcaaacaggt gctcgcattt ggcttttcgt tggtttcath 450
 ttggcctttg gatctctgat tgcattctatg tggattctth ttggaggtha 500
 tgttgctaaa gaaaaagaca tagtataccc tgggaattgct gtatttttcc 550
 agaatgcctt catctttaath 570

<210> 277

<211> 642

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 21, 34, 50, 124, 264, 266, 305, 307, 334, 424, 458, 501, 582,
 613, 638

<223> unknown base

<400> 277

agtttcctth aaattggggg nggggtgtta agcnctgaaa atatctthcn 50
 tgattactth accatgtgga catatgggat aaatactgta tttcagattth 100
 acataaaaagt agattagtaa tgcncagctt tcagaataaaa aactgataaaa 150
 aaagaccaag cactatcaac tttggacagt aatttcttag gtgttaaaca 200
 agttttctga atacaatctg gatgcaaaaac ggcttgattth gatgaattca 250
 taattttctt ctgnanactt tcatttttatt aaatatthta ttacttggtt 300
 aaacncnaga attatctatg taaacttcat gggntthttt gttgaaagtt 350
 agatgttcag taactaattth cccagttatg gccagaatt aaacattth 400
 gatcatattth cagaagtcaa aatncaaaaac tggattatca aaacggttg 450
 tgtggtcnct ttaaactgga ctatcagtat ggttgccgtg gtcactthta 500
 ncgggattat cagtacggtt ggtgtggtca ctttggttha tcatcaatac 550
 agttggtgtg gtcactthta actggattac cnatatggtt ggtgtggtcg 600
 ctttaaagtt tgnthtcatt tttttctatt tttaattntt ac 642

<210> 278

<211> 434

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 19, 146, 162, 199, 203, 225, 245, 271, 286, 298, 323, 328, 359,
 368, 431

<223> unknown base

<400> 278

ttggtttttc tgttcctgng ttagtttgct gacttaagag gatacagact 50
tgaggataaa tttgtcttag tcagttttgt gttgctataa cagaatacct 100
gagactaggt aattttataaa aataaagttt atttggtcga tgattntgga 150
gctggaaagt cnagattggg cagcccatat gatgagggtt gcacacttnt 200
tcnatttatg gcagaaagtg gaaanggaag caggtgtgtc caaanagaca 250
tgcaggagag gttggagtca ntgctctctc aggaantaat tcattctnta 300
gagagtgaga actcacttaa ctnttgcnag agggcattaa tctattcacc 350
catgaaacna acaccctnca gtagactcca ccatttaaca ctgccatatt 400
gggaatcaaa tttcaacatg agttttggca nggg 434

<210> 279

<211> 335

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 140, 178, 241, 244, 247, 264, 314, 321, 326

<223> unknown base

<400> 279

cctttggaaa ctgggattaa tgtatgctct agatccattt attagaaatg 50
caaaaatact acaatttttt gatggatgaa aataactctg taacacaaaac 100
agagaactgg aggaactgaa gaataactca ctcatatagn tctgcctcat 150
tctgtgtgtg tgtgcatgtg tgtgttanca gaggtatttt actcagaaaa 200
taggtttcaa agaacattaa tgactttctt ttccctttta ngntngntta 250
atcagttaaa ctgntatggg aaaagtttta tagaactata taacctgaat 300
gttggtctct ttgnacacat nttttntatg actgc 335

<210> 280

<211> 254

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 29, 135, 140, 143, 163, 190, 207, 209, 219, 221, 241

<223> unknown base

<400> 280

tgtggtccta atatcataga tcactttana tgtgatttgt ttcagttggt 50
gacacttgcc tgcacggaca cccacatcct gggcctttta gttaccctca 100
acagtgggat gatgtgtgtg gccatctttc ttatnttaan tgngtcctac 150
acggtcatcc tangtccct gaagttttac agcttttaaan ggcggcacaa 200

agccctntnt acctgcagnt nccacctcac ggtggttgta ntgttctttg 250

tccc 254

<210> 281

<211> 402

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 25, 96, 205, 265, 331, 334, 337 .

<223> unknown base

<400> 281

tggttcagg tcaccatcct tagcntcaaa ttcataaaat ggttgcttct 50

acctccagcc tgatatacct gtgatgggca ggcagaacca gggctntaag 100

gaaaggagcc agcacctgta tcaagaagcc aaagccttcc ctgaaatctt 150

tagcagacgt ctgcttgatga ctatttggtt agaactttgt gacatggcca 200

ctccttgctg caaggacatt tacagttttt cagttggggc cattgccacc 250

ctgagcaaag ggtcnataag gaagaagacg gagagtggac atgttgggca 300

ttcacctgcc agcactccat ccagacagcc ncanaantgg tgggtaaaca 350

gagacagcat acattcactt atcaactggt tagtaaattc ctggcatggg 400

ca 402

<210> 282

<211> 515

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 56, 176, 217, 231, 253, 282, 287, 337, 350, 352, 364, 403, 452

<223> unknown base

<400> 282

agcccagatc caggaaccat tcctatttca ggatttttgaa tgcaaaaactt 50

accttnttac tctaaagatg aatgtcaggg agagatttat tcaaccctga 100

gatttttgca gtctccttca gagtcacaga atagattaag gctgatgat 150

actcaaaggc ctgggaaaac tgatgncaaa gaattttcag tgccctggca 200

cctcattgca gtgactnttg ggatcctctg nttacttctt ctgatgatag 250

tcncagtgtt ggtgacaaat atctttcagt gnattcnaga aaaacatcaa 300

cggcaggaaa ttttaagaaa ctgtagtgaa aagtacntca tgcaaaatgn 350

cnactactta aanagcaga ttttgacaaa taagacttta aaatatgacg 400

ttntcaaaaa tagctttcag cagaaaaagg aactggattc acgccttata 450

cnaaagaaca gatgtcatag agaaaatgag atcattttta aagttttgca 500

aaatacaggc aaatt 515

<210> 283
<211> 433
<212> DNA
<213> Homo Sapien

<400> 283
aggaatgacc ttcctcaggg ggctgaggat accccacagg cctcctttct 50
ctccagctcc agggtttgac tatgcaccta tttaggggct gcttgctcaa 100
gggagagagg tacaggagggt ggtctgggaa aaacaaaatt gatcttccta 150
tcaattgtat ttttgtttag cggaatctat acacacccat ttctttggat 200
attatttcca gttactccag ctaatccaaa taatgatatt tgccctcagt 250
taagaacaga ttttattttt aggaacagaa gtctagtagc agttttgctt 300
tttattaacg ttttaaggaa catttacctt agatatcatg attcttgggc 350
atttgcaaaa tgcagtcaat atcaaacagc aatgggttgct tgttttatga 400
tcggtcagaa tttgtccctt atattaattt cag 433

<210> 284
<211> 496
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 83
<223> unknown base

<400> 284
gccccgagtt tctgtcgag gttgagagga aaggcccccta ggctgggtct 50
gggtgcttgg cggcggcggc ttcctccccg ctngtctctc cggggcccag 100
aggcacctcg gcttcagtca tgctgagcag agtatggaag cacctgacta 150
cgaagtgcta tccgtgcgag aacagctatt ccacgagagg atccgcgagt 200
gtattatata aacacttctg tttgcaacac tgtacatcct ctgccacata 250
ttcctgaccc gcttcaagaa gcctgctgag ttcaccacag tggatgatga 300
agatgccacc gtcaacaaga ttgcgctcga gctgtgcacc tttaccctgg 350
caattgccct ggggtgctgtc ctgctcctgc ccttctccat catcagcaat 400
gaggtgctgc tctccctgcc tcggaactac tacatccagt ggctcaacgg 450
ctccctcata catggcctct ggaaccttgt tttctcttcc tccaac 496

<210> 285
<211> 566
<212> DNA
<213> Homo Sapien

<220>

<221> unsure
<222> 12
<223> unknown base

<400> 285
atntagattt gnatctcttc ccatcaatca tgaatacata aggtaatat 50
ttatagttgg aaagcattgc ttaatatatt gaatcaataa aaatattgat 100
ttcatatatatt taatttttat aatctttaca gattacaata ctgtgatgag 150
actgttctctg taacttttga tccacacaca gaatttcttg gtcctcagaa 200
gaaaacagaa caagtccaaa gagacattgg attttggtgt ccaaggcatc 250
ttaagacttc tgggggacaa ggatataagt ttctgggaat tgaccagtgt 300
gcgcctccat gcccacacat gtatttttaa agtgatgagc tagagtttgc 350
aaaaagtttt attggaacag tttcaatat ttgtctttgt gcaactctgt 400
tcacattcct tactttttta attgatgtta gaagattcag ataccagag 450
agaccaatta tatattactc tgtctgttac agcattgtat ctcttatgta 500
cttcattgga tttttgctag gcgatagcac agcctgcaat aaggcagatg 550
agaagctaga acttgg 566

<210> 286
<211> 570
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 7, 46, 111, 121, 176, 185, 212, 221, 236, 239, 267, 308, 329,
371, 393, 399, 405, 412, 417, 423, 427, 486, 490, 495, 517, 524,
531, 533, 544
<223> unknown base

<400> 286
cgtaaanaag agcctgccag taaatgtagc catcatgttc agtaanggcc 50
ttgcaaaaca gattaccctc tcaccttttc acttaattgt ctacctatga 100
atcattaatg ntttggtttg nttttaattc tgtgataggt aggaaaggat 150
ggaactcctt ggcagactag tggtanaaag ttttngaagc agggtgagtc 200
ttgtaccttt gnggtcctgt ntcacagaca cctgtntant ccctgacct 250
tttaaagtgt aactttntgc ctgtaggaaa tcttcccttt gtgcttaggt 300
ctttttcntc tgtgagcttt agataaacna cctagtgttt aaacttttta 350
ataagggatt ctttttttaa nacatgagaa ttcatttcaa aantttggnt 400
ttagntatct antttantct acntggntct ttttcagaca gatgttctct 450
cctggattgt aaaagtcgaa ttcaaaggat ttttanttgn aatanactta 500
acctttctct tgtaagntgc catntgtgta nanacagctt tgantgcctg 550

acaagaggaa aatgtttccc 570

<210> 287

<211> 556

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 40, 80, 179, 195, 203, 263, 304, 310, 313, 427, 437

<223> unknown base

<400> 287

aactgtcttt aatggcccag ttttaccagg gcttgttgn taaggacatt 50
aacttgtgct cccctcaggg atgggtttan tactagctgt cagaaagcta 100
ttgggtatcc taatgtgtta atagctgaaa ctcagctgta atttctccta 150
aatacttcag cattttgcat tctgtacant gtgggtgcttt ttcnccttg 200
tantgttcta actgtaagct cctagggggc agcaatttgg ataaatcttt 250
tggttaagtag ttntcaataa aatatcttcc ctccccatac ccctacccga 300
aatntttatan tgntctttac aaaactttgg tcaagagtag aaatatatcc 350
aggcagatgt atatgccata caatagcaag aacagtaaag cccaactaat 400
gattttgagt tttaaaaata gaaggcnatt aaaatgnact caaagttaca 450
ttaagaaaag ctttcacggg ggtaatatg aaacagtcac aaaggttaag 500
aaaatactga tagcagtttt tgtctatttt aacattgtag tcatttgtac 550
tttgat 556

<210> 288

<211> 594

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 73, 113, 215, 252, 257, 263, 267, 269, 277, 287, 293, 297, 302,
310, 457, 506, 521, 554, 584, 591

<223> unknown base

<400> 288

ggattttcgt aagtagttta gagatagtca catttttaaaa atttaagatc 50
aagcaaatga agcttatttt tangtattca tagtataaaa gaccttcagt 100
aaataggttaa tanttttggt ttattctaga aaacagctcc ttgaacacag 150
tgagctggct tttcacacat tgcagttggt agtggttact gcccttgcca 200
ttttaattat gaggnataag atgtttttga caccgcacat gtgtgttatg 250
gnttcctga tangctntng acagctnttt ggctggnttt ttngcanagt 300
tngttttgan aaggttatct ttggcatttt aacagtgatg tcaatacaag 350
gttatgcaaa cctccgtaat caatggagca taataggaga atttaataat 400

ttgcctcagg aagaactttt acagtggatc aaatacagta ccacatcaga 450
 tgctgtnttt gcaggtgcca tgcctacaat ggcaagcatc aagctgttta 500
 cacttnatcc catttgtgaat natccacatt acgaagatgc agacttgagg 550
 ggtnggacaa aaatagttta ttttacatat agtngaaaat ntgc 594

<210> 289

<211> 713

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 70, 96, 106, 113, 119, 134, 227, 299, 384, 421, 430, 454, 464,
 546, 556, 561, 597, 616, 622, 667, 673, 712

<223> unknown base

<400> 289

tcccttaatt ccatagaccc cgaaggggggt ttcccggggt ggaatccatt 50
 aaatccgggc cagggcttgn tcccggtggt taggattggg ggttanaaat 100
 aaaaantcag gtnatattnt taccagtcag tacnattttt aaagaatgta 150
 cttggtatat aatatatgga cttcaggaac tttattgggg tgggggggta 200
 attttgcctt accctgttca ctttcanatg attaggcttt tgcactttag 250
 aatgagaaac ttgtgacgtt agtgtgttct tactagcttt aatttgtang 300
 tagcaatgaa ttgtgaatct tagtgcagtg gggtttttta aaaaactcaa 350
 aaagctggga attaagtggg ttcagtaata atgntatacc gaggtgcttg 400
 cattgtattt cataattttg ntacaaaccn aaattatttt taatgagaac 450
 agtnttgggt tcanaggtgt gatgccagaa tgtattttcg tactgttagg 500
 cccttggaac agatatacgt gcttttttgaa agatgaaaga aatgcnatgg 550
 gtgctnttca ngcaaggttg caaacctacc aagaatgcat aatagtntca 600
 cttttcccca ataaanagat gngtgtgact agttttggac ttttaacctt 650
 aatggggggt gcatgntcc tantgttaat cattgtcagc tgcagtgaca 700
 tgatccacag tnc 713

<210> 290

<211> 687

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 26, 38, 49, 71, 81, 191, 257, 270, 276, 323, 343, 385, 407, 416,
 436, 463, 468, 501, 533, 544, 557, 569, 576, 579, 588, 591, 594,
 600, 605, 649, 682

<223> unknown base

<400> 290

gacttggaag	aattggacct	agtggntaga	cccaaggnc	aaagccaana	50
attcgtgggg	ggcccaggaa	ncaggaggtc	ncatgggatt	ccagacataa	100
gacaggttt	taacccccctt	tggcccaa	tttggctgaa	aatgttgaat	150
tatcaactct	gaaattaaaa	agaaagttaa	tattaaaaca	ntgcaatttt	200
ccttagaatt	tctgtatata	ttaacatcat	gaatgataaa	ttctcttcaa	250
tgtgcangtc	aggtttttgn	acttgnatat	caaatctatc	tgtgtgtatg	300
aagtgtatgt	ttattgaaat	acnagatatt	taagaagctg	atntggaaag	350
ttggattttc	attctagttc	ctaattccca	gaggnttttt	taaaggaagg	400
gaatgtntgt	ggtacnccag	ttgtcagctg	ggtggntact	ggatcatctt	450
tcttttatca	acnagatnaa	ctatcaactt	caccagcatc	atgaaccttg	500
ntgccgtaaa	aaggagttca	ctacttctgt	tcnctttgag	tctnttcaaa	550
tggattntgt	gtcctcctnt	ggagtntgng	ccatttantg	ntntngactn	600
ttccnctaag	ccagagaatg	atgatggagg	aaattatgaa	atgttcacnc	650
gaaaatttgt	ttttcgacct	gaactgtttg	angtcac	687	

<210> 291

<212> DNA

<213> Homo Sapien

 $\langle 220 \rangle$

<222> 27, 34, 66, 97, 187, 229, 263, 309, 314, 346, 397, 448, 451, 463,
487, 491, 536, 563, 575, 608, 618, 625, 636, 656, 666

<400> 291

ggcatggggg taggancaqt gaacctggaa gtaatcccag ccctgcngtc 100

attagtgtgt tacctcaggt aaagggggggg aaccctacag gactgttaca 150

aggattaaat gaaggaattt aagtgtgtgc atgtatntgg catgtagaaa 200

atacagtgtg gtgggggagag aacagattnt agaaccagac tgcctgagtt 250

caaatcccag ttntgctgct tcctggctgt gtgaccctgg gcaaatact 300

tagcctgtnt gggnttcaga tttctcatct gacaatgaag ataatnaaat 350

acctatcttt atggttgtag taaggattaa atgaattgaa ataaagnttt 400

tagattaata cttgatatgc tacataggtg tcagccattg ttaatcantg 450

ntgtcattat agntattatc aacatgatta ttctgctntaa naggaactca 500

ggcatttgca ggggtgtgggg aaccctgagc tgggtntccc ctgttggggtg 330

tgcccttntt ttccctggnc aggtntgtta ggccancagc tttgcctcat 650

acgtgngcag caggtngtta tgg 673

<210> 292

<211> 663

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 54, 71, 73, 89, 104, 137, 142, 177, 308, 409, 423, 430, 451, 468, 503, 551, 558, 581, 598, 622, 629, 632, 660

<223> unknown base

<400> 292

ctaaccacag ttgaatTTTT ggagcttggt ggatttgccc attgccagcc 50
 caantatggt ggggaaaagt ntntgagtgt cattttgcnt gttgaagctc 100
 tggntaatgt gattattgat ctgagaatga atctttntta gntattccaa 150
 acttagttat ttttgcagtt ttggtanttt tttcctcatt ggaactccca 200
 aaaatccgat tgcttttgcg tgttttttta tttgcctgat aactgaccc 250
 ttccttgaca tttatttttag tggactttca gtaactgaaa gatggaaacc 300
 ctttttgnac cgtggaagaa tttgcagaag acttttcagtc gtttttgctg 350
 gaatgattga gcttacattt tttattcttt ccgcattcaa acttagagac 400
 actcacctnt ggtattttgt aanacctggn ttttccattt ttggaatttt 450
 ntggatgatt tgtcatanta tttttctttt aactctttgg ggattccata 500
 ccnaattaaa tgactgccat aaagtatatt ttactcacag gacagattac 550
 natagccntg atagaatcat ggcatccaaa nggatgcgcc atttttgntt 600
 gatttcagag cagttggtgt tntttagtnt tnttgcaaca gcgattttgg 650
 gagcagtttn ccg 663

<210> 293

<211> 603

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 22, 44, 90, 108, 124, 171, 351, 376, 378, 389, 396, 453, 477, 507, 518, 524, 541, 587

<223> unknown base

<400> 293

tccaggattt ttctccctgg tntaagggtc tggttcacac ccnaggaac 50
 cagtttggtc ctgggcaagc cactgcctat aggataaggn aagatcaa 100
 aaatcatntc agggagaaca agnccagcc ttcctcctct attcactcaa 150
 acacaccacc caagcaccca ntttggccag actctgtgat ggtccctgcc 200

ctcaaaggac tgttcatggt ctagagatga aagagcccag tcaacagtta 250
tactgtgtgg tggcggcggg agggtaatca cagggtatth atgggtacaa 300
aaaggaggca ccttgacctc accagaaata gctacctgt gccataggct 350
ntaggcagac tttactgaca ttgaanance ttttgcagnc aattancaa 400
aagactacat gtgtaaatgt gacagaacag ggattcagag cctgaatgtt 450
tangcctgct ttatcctcat tttgtcnctg tggaggcaga ggtgggaaaa 500
ctaagtntag aagccatntg agtntgggtg ggagccacct ntatatthgt 550
cataagtctc tgatggctct ttggtthcta gctatanctg tgtccactag 600
tgc 603

<210> 294
<211> 704
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 33, 42, 94, 99, 106, 122, 147, 187, 198, 458, 482, 484, 497, 560,
609, 626, 665, 679, 691
<223> unknown base

<400> 294
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thtaatthtt aaggaattht ggaaagtagt ttaaagatag cccnthttna 100
aaatthntaag atcaagcaaa tnaagcttat thttaaggat tcaaagnata 150
aaagccttca gtaaataggt aaaatthttg thtatthtag aaacagntc 200
cttgacacag tgagtggctt ttcacacatt gcagtthgta atggthttact 250
gcccttgcca ththtaatta tgaggctaaa gatgthtttg acaccgcaca 300
tgtgtgttat ggcttccttg atatgctctc gacagctctt tggctggctt 350
thtcgcagag thcgthttga gaaggthtct thtggcattt taacagtgat 400
gtcaatacaa ggttatgcaa acctccgtaa tcaatggagc ataataggag 450
aatthtaana thtgctcag gaaaaactth tncnagtggg tcaaatncag 500
taccacatca gatgctgtct thgcagggtgc catgcctaca atggcaagca 550
tcaagctgtn tacacttcat cccattgtga atcatccaca ttacgaagat 600
gcagacttna ggctgggtg cagtangctt gaaatctggg atgtggaaga 650
ccctthcaat gcagntaacc ctthcttang tagcgtctg ntcgaagacg 700
ccag 704

<210> 295
<211> 504
<212> DNA
<213> Homo Sapien

<220>
 <221> unsure
 <222> 89, 104, 139, 152, 165, 171, 211, 223, 278, 313, 351, 374, 386,
 389, 446, 482, 485, 493
 <223> unknown base

<400> 295
 tccaaaaaaa aaataatgga aaactggaaa gagaaaaatt gtttcaaaaa 50
 ctatagcaca cctgttggtta gattcttgtc ttgcctaang tttttcaatt 100
 ttantathtt ctacagtttg gaccgaattc taathtttnt tgactacaag 150
 tnttcaaaat aatgntttca nttttttctt cttttttcca tttttttcca 200
 atttgtagtc nctgaaaact aanctgtgct ttcataaagc cctgcaaact 250
 gaatctagac aacttcagaa gaaaaatnac agcaacctat ttacatacat 300
 aagccacttt canacctgcc taccgatgta tggacttcag agtaatgtgg 350
 nttatagcaa ttttccagga ttgntctttt gtttgntgnt gttctccctt 400
 cctcccccta ttttgtcttt atgggacatg acacttcaca accttntaaa 450
 aatgagtttt cctaataact caggacctac tngtntagaa atnaaccatc 500
 ctag 504

<210> 296
 <211> 557
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 48, 104, 163, 201, 212, 228, 244, 251, 257, 293, 365, 444, 458,
 465, 495, 526, 538, 552
 <223> unknown base

<400> 296
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 ggggcttttg aggccgaggc cgaggccgtg gacgagggaa aggtgccctt 100
 gctngccctg tattgaccaa ggagcagctg gacaaccaat tggatgcata 150
 tatgtcgaaa acnaaaggac acctggatgc tgagttggat gcctacatgg 200
 ngcagacaga tnccgaaacc aatgattnaa gcctgccccat cctnccatga 250
 nagactnttg ttagtcaaca catctgtaaa taaccttgag atnacagatg 300
 agaagaaatc tgattgatgc tggatggacc tatcacaata ggctgtggac 350
 ttacttgcca ccagnttggt catttagtgt gttcctttta ctttttgata 400
 ctgtgttgta tgaaaccctt ttgtcctttg atttggtttt ttgnttttgt 450
 ttttttangg ggganggggg gtttccctc ctttgcccag acttntcttt 500
 gaacacaaat gcattagcct tgtggntaga acaccctntt cctacctctg 550

tntcccc 557

<210> 297

<211> 501

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 45

<223> unknown base

<400> 297

ggtaatggaa aacccgcaat tacatttgaa ccaacctaag agatntaagg 50
aaaagcgctt tccattcgta gcatcagtc gccacatcc cttgtgagcc 100
actgcgcccc gcttgttggc cgtatttttg gaatgcattt ggagcttggg 150
tcagtagttt ttgttttcat gtgatgtcac caacatgttg cctatacaga 200
ttgaatatcc cttatccaaa atgcttgcaa ccagaagtgt tttggatttt 250
tggaattttt tttggatttt ggaatatctt catgtaaata atgagatttg 300
ttggggatca gactcaagtc taaacatgaa attcgtttat gtttcatata 350
tactttatac acatacctta aaggcagttt tatacagtat tttcaatggg 400
gtgcatgaaa caaagtttgt gttcattgat ccacagaaa gcaaagatgt 450
cactgtctca gccacacgtg gacaatctgg ttggttagcg tccccatcgt 500
t 501

<210> 298

<211> 515

<212> DNA

<213> Homo Sapien

<400> 298

ggccccgcgt gccgacatgg gaaagtctct ttctcatttg cctttgcatt 50
caagcaaaga agatgcttat gatggagtca catctgaaaa catgaggaat 100
ggactggtta atagtgaagt ccataatgaa gatggaagaa atggagatgt 150
ctctcagttt ccataatgttg aatttacagg aagagatagt gtcacctgcc 200
ctacttgtca gggaacagga agaattccta gggggcaaga aaaccaactg 250
gggcattgat tccatatagt gatcagagat taaggccaag aagaacaaag 300
ctgtatgtga tggcttctgt gtttgtctgt ctactccttt ctggattggc 350
tgtgtttttc cttttccctc gctctatcga cgtgaaatac attggtgtaa 400
aatcagccta tgtcagttat gatgttcaga agcgtacaat ttatttaaatt 450
atcacaaaca cactaaatat aacaaacaat aactattact ctgtcgaagt 500
tgaaaccgaa cccct 515

<210> 299

<211> 481
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 168
 <223> unknown base

<400> 299
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 agctgcagag catcgagggc tggagaggag cacatactgt ccatggagct 100
 ggtggtcaag gtggacaggg gcggtggtga tggcgcagtt tgacactgaa 150
 taccagcgcc tagaggcntc ctatagtgat tcaccccag ggaggaggac 200
 ctgttggtgc acgtcgccga ggggagcaag tcaccttggc accatattga 250
 aaaccttgac ctcttcttct ctcgagttta taatctgcac cagaagaatg 300
 gcttcacatg tatgctcatc ggggagatct ttgagctcat gcagttcctc 350
 tttgtggttg ccttcactac cttcctggtc agctgcgtgg actatgacat 400
 cctatttgcc aacaagatgg tgaaccacag tcttcaccct actgaaccg 450
 tcaaggtcac tctgccagac gcctttttgc c 481

<210> 300
 <211> 468
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 24, 132, 197, 209, 218, 235, 238, 285, 344, 365, 457
 <223> unknown base

<400> 300
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 ctgttctggt cctgggagcc atcatcggtg actgggtgga caagaatggt 100
 agacttaaag tggcccagac ctcgctggtg gnacagaatg tttcagtcac 150
 cctgtgtgga atcatcctga tgatggtttt cttacataaa catgagnttc 200
 tgaccatgna ccatggangg gttctcactt cctgntanat cctgatcatc 250
 actattgcaa atattgcaaa tttggccagt actgntactg caatcacaat 300
 ccaaagggat tggattgttg ttgttgacag agaagacaga agcnaactag 350
 caaatatgaa tggcncata cgaaggattg accagttaac caacatttta 400
 gcccccatgg ctgttgcca gattatgaca tttggctccc cagtcacg 450
 ctgtggnntt atttcggg 468

<210> 301
 <211> 466
 <212> DNA

<213> Homo Sapien

<400> 301

accgcctgac cgtgctggct ggtgcaatgc ttgccttggg actaatgaca 50
tgcttgtcag ttttgtttgg ctatgccacc acagtcaccc ccagggtcta 100
tacatactat gtttcaactg tattatttgc cattttttggc attagaatgc 150
ttcgggaagg cttaaagatg agccctgatg aggggtcaaga ggaactggaa 200
gaagttcaag ctgaattaaa gaagaaagat gaagaatttc aacgaaccaa 250
acttttaaat ggaccgggag atggttgaaac ggggtacaagc ataacagtac 300
ctcagaaaaa gtggttgcac tttattttcac ccatttttgt tcaagctctt 350
acattaacat tcttagcaga atgggggtgat cgctctcaac taactacaat 400
tgtattggca gctagagagg acccctatgg tgtagccgtg ggtggaactg 450
tgggcgaacc ccttgc 466

<210> 302

<211> 648

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 10, 15

<223> unknown base

<400> 302

tcgaaccan ggggnccgcc gaacgcgtgg gaccatatag agaaatagca 50
tgaatatttt tattaggaga tgtttcaaag actgtattcc aatgggttaa 100
ggaaagtcca aaacctcttt aaggaaact gcaagttgag cctctgctgt 150
tttaataggt aggtgacctt gcctgagtca gtctttttga atttcaattt 200
tctaactcttt aaaatgaggt ttttggatgat ccctcagttt cctttcagct 250
ctggaatttg gtgggtaagt taccttgaat gtgtatcttt tcttggttaa 300
attttaaaaa acaatataga aggaaacaaa tcctttttac tcctattttt 350
tagaaataac ccctaaacct ggtaatatat tgacgtgttt ttttcaaact 400
tgtctgtgca ttttttaaag gagcttctgt cgtatatagt tatgccctgc 450
ttttgtgtgc atgttaagca tttggatgt ttttttaaag tggaatgcct 500
tgaagaatga atcagtcaga cctactgtta acattttgat gtatttcaga 550
ctgacttaca attttttggg atttgatatt atgtataatt atatcctgca 600
tttacttagc atattaagga tttttttata tgtaatttta aagtggaa 648

<210> 303

<211> 444

<212> DNA

<213> Homo Sapien

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<400> 305
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 tctagcattg tctgtggaagt tctccgaatc ctgggttttga ttggtcagat 450
 tcttttttca ctagcggcgg tttttctttt atgtcttgtt ataaagaagt 500
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 aaagaaatcc tgatcttggg aatatctgcc tttatcttct taatgttaac 600

<210> 306
 <211> 492
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 120, 215
 <223> unknown base

<400> 306
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 cccacatctc ttatttgttn tgcttcattt ctctactagg gagaggaggt 150
 catataatat atgggtatttt tatgtttatt tagataaatc catatcaaca 200
 cagcacagga gaacnaatta taccctctgg tagatttttg ggtataaacg 250
 tcatgaaatg tttctcagaa agtgagaaat atttcttgat tgtatcttta 300
 aaattaatgc aaaattgtta tggtactcca taatttattt gtgtgcatta 350
 ctgtaagggt catgtgtatt catattaaat tttttctttt aaaaattggg 400
 ttcaatgaat tatctaggat gattgcattg tttgtggcat caagtgttgt 450
 ttctcccttt ccataccaag catatcctgc ttttggtaca gg 492

<210> 307
 <211> 495
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 19, 49, 65, 158, 178, 211, 218, 221, 225

<223> unknown base

<400> 307

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tcacacanc c atagatttt tcttggangg ttttgttttg ttgttgttga 200
aaagactttg nttacagnta natgnaacct ttttatagaa aaaaaaatt 250
gttgaaaggt ccagttctca gtaccatgtg agttaatgat actacaacta 300
agttcttttt aaaaagtgat taatgtattt tataaattac cttttcacat 350
atgcaaaatc tgtttctact acaatgttat ttttactaat gccttattgt 400
tgcactcttt ttgaaatata ctgcagtgaa tatatgaatc aatttgggct 450
taaaactgaa agccagttgg ctgaaagggt tgaaatacgt acccc 495

<210> 308

<211> 478

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 18, 43, 154

<223> unknown base

<400> 308

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gaaatgtaat tattatttca attaaaaagg gaataatatt tgtagggcat 150
tgtnaccagt attctctcgt tttaactagt tttgctgcat tttaaattaag 200
tgctgctctt cagcttttgc gtacagctat aagtgcacat tggaatttat 250
atgtatatat atagagagag agagagagag agagaaaatg actgctgggt 300
cagtgtgtgt ccctcagatc ataccactac gaggcctca gcctggaaaa 350
gctaaccatg aaattgataa caatacgtt ttggaaatga aatcaggtaa 400
gaatcacata tgtttgaaat tgtttaaaat aacattgtca tatttcttgt 450
gttatctggg tgctgggtta tctctttg 478

<210> 309

<211> 469

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 24, 132, 155

<223> unknown base

<400> 309
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 ttccagctcg gggtttccggg ctccagaattt tccaggagtg ggttcttggg 100
 cagtggctgt ggaacaggaa tggcgcagct anagggttac tgtttctcgc 150
 cgccnttgag ctgtaccttt ttagtgctct gcctcctctt ctccgccttc 200
 agccggggcgc tgcgagagcc ctacatggac gagatcttcc acctgcctca 250
 ggcgagcgc tactgtgagg gccatttctc cctttcccag tgggatccca 300
 tgattactac attacctggc ttgtacctgg tgtcagttgg agtgggtcaaa 350
 cctgccattt ggatctttgg atggtctgaa catgttgtct gctccattgg 400
 gatgctcaga tttgttaatc ttctcttcag tgttggaac ttctatttac 450
 tatatttgct tttccacaa 469

<210> 310
 <211> 524
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 4, 15, 206, 227
 <223> unknown base

<400> 310
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 ctgggactcc aacctgtctg tgcacacaga aaaccggac ctcaactcct 100
 gcttccagaa ctccctgctg gcctgggtgc cctgcatcta cctgtgggtc 150
 gccctgcct gctacttgct ctacctgcgg caccattgtc gtggtacatc 200
 atcctntccc acctgtccaa gctcaanaat ggtcctgggt gtctgtctgt 250
 ggtgcgtctc ctggggcggac cttttttact ccttccatgg cctgggtccat 300
 ggccggggccc ctgcccctgt tttctttgtc acccccttgg tgggtgggggt 350
 caccatgctg ctggccaccc tgctgataca gtatgagcgg ctgcagggcg 400
 tacagtcttc gggggctctc attatcttct ggttctgtg tgtggtctgc 450
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 gatctcagac cccttcgcc tcac 524

<210> 311
 <211> 501
 <212> DNA
 <213> Homo Sapien

<400> 311
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 gtcacacctc tcaccacaaa agaggactta gggggccagg ccctggatga 100

ctatgtagca aacacggaca actgcagcct gaaagacctg gtgcgggagt 150
 gtgagagaag gtactgtgcc ttcaacaact ggggctctgt ggaggagcag 200
 aggcagcagc aggcagagct cctggctgtg attgagaggc tggggaggga 250
 gcgagagggc tccttcacaca gcaatgacct cttcttgat gccagctgc 300
 tccaaagaac tggagctggg gcctgccagg aagactacag gcagtaccag 350
 gccaaagtgg aatggcaggt ggagaagcac aagcaagagc tgagggagaa 400
 cgagagtaac tgggcataca aggcgtcct cagagtcaaa cacttgatgc 450
 ttttgcatta tgagatTTTT gtttttctat tgttgtgcag catactTTTT 500
 t 501

<210> 312
 <211> 655
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 85, 118
 <223> unknown base

<400> 312
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 gttaaagtga acttggttg atttggtac tgctntaaa gttagaaaat 100
 taggtcattt gacatttntg ctccgtgtt tgccatgtt ggttcctaca 150
 tacttttgca aagatcaagg aagaccttg aggcattctt ttatctctta 200
 tttctattac tatcaccca attcaagtca tcatcattac cctggacttc 250
 tgggatagct tccactgtt cccactcatc tactcttget cactgccttc 300
 ccccaaacc ccctaaaatt cattctccag atagtgacta gagtgaatcg 350
 actatatctt ctcttttctt gctctggata taatttatat cttttcctgc 400
 tctggatata atttatatcc ttcattctcc atttctgtgc ccctgtgtgc 450
 caactgctat tgtctgcatt agatggactt ccttatcttc tggcttctat 500
 tgaatttggt gaactgggga gggcaagta ggagatcagt gtgtgggaga 550
 agaaagaagt ttgagtattt atcacctagg aagggggact tccaggacac 600
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 tgccc 655

<210> 313
 <211> 239
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure

<222> 226, 234
<223> unknown base

<400> 313
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ggaattcagg actgggcagg ttaagacctc agacaaggta gtagaggtag 200
acttgtggac aaggctcggg tcccancgg acngtgagg 239

<210> 314
<211> 175
<212> DNA
<213> Homo Sapien

<400> 314
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taaaaagtct caggttatta ccactctgcc attaaatatt tgtatgcctg 100
catttttaaa aattctgtgc atgtacttta tggagtacat tctatttttg 150
ttttcagata ccccgacgc gtggg 175

<210> 315
<211> 971
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 262, 355, 369, 486, 539
<223> unknown base

<400> 315
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ttgttttttg tttgtttggg tttgtttgt tttggtttg ttttgaaacg 100
gagtctcgt ctgtcgcca ggctggagt cagtggcgca atctcggctc 150
actgcaagct ccgcctcccg ggttcaagtc attctcctgc ctacgcctcc 200
cgagtagctg ggactacagg cgtccactac cagcctgga taattttttg 250
tattttcagt anagacgggg tttcacctg ttagccagga tggctctgat 300
ctcctgacct catgatcccg cctgcctcgg cctcccaaag tgttgggatt 350
acagngcgtg agccaccng cggggcacct tcaaggtttt gtttaattttg 400
gataatgcta caatccgttg ctgcaaagaa ctogaaaatg cacacgcaa 450
cataggagtt ctttttatgc ccccaaacat taagtntttc atccaacccc 500
tcaatcgggg cataataaaa gcattcaagg cacactacna caaggagct 550
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tggaactattg gaagtcggtc actacatgca acgttattga ttatgtcagt 650

2025-04-04 10:00

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aaaatataaa gaacactgtc agagacataa tgcatatggc acagcaggtg 800
agtggagagg gctttgatga cgtgaaggaa ggagatgtgg agtacatttt 850
ggcagagaag gcagtggaa caaccaacga agacctggat gagatggcaa 900
aacaaggcat tggagttgat ggccatgaaa gtgggcccga gacttcagga 950
attgtccctc tcacagcgcc c 971

<210> 316

<211> 673

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 67, 115, 126, 132, 135, 274

<223> unknown base

<400> 316

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agcttttcaa agcatttggt cagatcttca gtactggcca gttttcatac 200
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acctccgaga gattagttga aacncagaat atagcgccat cattcgtgaa 300
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tcatgaaaac caaaaatata cctgaagctc accaagatgc atttaaaact 400
ggttttgcgg aagggttttc tgaaagctca agcactcaca caaaaaacca 450
atgattccct aaggcgaacc cgtctgattc tcttcgttct gctgctattc 500
ggcatttatg gacttctaaa aaacccattt ttatctgtcc gcttcgggac 550
aacaacaggg cttgattctg cagtagatcc tgtccagatg aaaaatgtca 600
cctttgaaca tgtaaagggt gtggaggaag ctaaacaaga attacaggaa 650
gttggtgaat tcttgaaaaa tcc 673

<210> 317

<211> 557

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 27, 43, 52, 59

<223> unknown base

<400> 317
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gatagctgga ggaactgggc ctccctcctt aggctgtgct ggctgagct 150
gggagcctga gagctggggc agttgtctct aaagtggctt ctgggattct 200
ggtaagagcg ttacatcctt actattcaaa gtgccatcca cagacctgct 250
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aggggtctcc atccagatca gctgaatcag agtttgcatt gttaacaaga 350
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gctgctggta caagtacctc cttttcagct acaacatcat cttctggttg 450
gctggagttg tcttccttgg agtcgggctg tgggcatgga gcgaaaaggg 500
tgtgtgtcc gacctacca aagtgaccg gatgcatgga atcgacctg 550
tggtgcc 557

<210> 318
<211> 570
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 1, 38, 52, 104
<223> unknown base

<400> 318
ntgcagtcaa cgcagcttcc cgggttcagc ctgggaanat gcgcgaatcg 50
gnaacccag agcccggtgg ttagaccggg gtccgccgct tccccacag 100
ccntttcct aatcggtcag acggagcctg gtcgacttcg ccggagactg 150
ccagatctcg ttcctcttcc ctgtgtcatc ttcttaatta taaataatgg 200
gggatgaaga taaaagaatt acatatgaag attcagaacc atccacagga 250
atgaattaca cgccctccat gcatcaagaa gcacaggagg agacagttat 300
gaagctcaaa ggtatagatg caaatgaacc aacagaagga agtattcttt 350
tgaaaagcag tgaaaaaaag ctacaagaaa caccaactga agcaaatcac 400
gtacaaagac tgagacaaat gctggcttgc cctccacatg gtttactgga 450
cagggtcata acaaagtta ccatcattgt tcttctgtgg gctgtagttt 500
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ataatcctat tctattgtgc 570

<210> 319
<211> 698
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 27, 57, 82, 87, 148
<223> unknown base

<400> 319
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cctttnttcc cccattggca tacattccca angtttntgc ccaatccttc 100
ttttgaaaat taaatatgga acttagatat atttagtcat tacgttcntc 150
tggtctgtat ggacatcatt caagagcttt tcaaagcatt tgttcagatc 200
ttcagtactt ggccagtttt catacagtct cggggtttta aaactttgaa 250
atcaaggaca cgacgtctcc agtctacctc cgagagatta gctgaaacac 300
agaatatagc gccatcattc gtgaaggggt ttcttttgcg ggacagagga 350
tcagatgttg agagtttgga caaactcatg aaaacccaaa atatacctga 400
agctcaccaa gatgcattta aaactgggtt tgcggaaggt ttttctgaaa 450
gctcaagcac tcacacaaaa aaccaatgat tccctaaggc gaaccctctc 500
gattctcttc gttctgctgc tattcggcat ttatggactt ctaaaaaacc 550
cattttttatc tgtccgcttc cggacaacaa cagggttgga ttctgcagta 600
gatcctgtcc agatgaaaaa tgtcaccttt gaacatgtta aaggggtgga 650
ggaagctaaa caagaattac aggaagttgt tgaattcttg aaaaatcc 698

<210> 320
<211> 443
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 4
<223> unknown base

<400> 320
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tgagaaatgc tacgaccaac ttttcgttca gtgggacttg cttcacgtcc 100
cctgcctcaa gattctcttc agcaaaggcc tggggctggg cattgtggct 150
ggctcacttc tagtaaagct gcccaggtg tttaaaatcc tgggagccaa 200
gagtgcgtgaa ggggtgagtc tccagtctgt aatgctggag ctagtggcat 250
tgactgggac catgggtctac agcatcacta acaacttccc attcagctct 300
tggggtgaag ccttattcct gatgctccag acgatcacca tctgcttcct 350
ggtcatgcac tacagaggac agactgtgaa aggtgtcgtt ttctcgtctt 400
gctacggcct ggtcctgctg gtgcttctct cacctctgac gcc 443

<210> 321
<211> 477
<212> DNA
<213> Homo Sapien

<400> 321
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cagttttcag cagacgcaac tatcatggac attcaggtcc cgacacgagc 100
cccagatgca gtctacacag aactccagcc cacctctcca accccaacct 150
ggcctgctga tgaaacacca caacccaga cccagaccca gcaactggaa 200
ggaacggatg ggcctctagt gacagatcca gagacacaca agagcaccaa 250
agcagctcat ccactgatg acaccaagac gctctctgag agaccatccc 300
caagcacaga cgtccagaca gacccccaga cctcaagcc atctggtttt 350
catgaggatg accccttctt ctatgatgaa cacaccctcc ggaaacgggg 400
gctgttggtc gcagctgtgc tgttcacac aggcatcatc atcctcacca 450
gtgcggacgc gtggcgagc gcgtggg 477

<210> 322
<211> 505
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 48, 75
<223> unknown base

<400> 322
cagtgccttt agattgtgtt ttgcctctc caatgtagag ttgacatntg 50
gacccagag cccagcaggg cttntgtca gacatgtagg gtggtagaaa 100
tgggccctcc aggtcccct gcagtgcact gggcagagac ctccggaaag 150
ccggcagcgg gagcgcttcc tgggcagctt ccccagcac agtgttcca 200
aaccagtcca tccgaaaac agtctgtaca gcaaatgctg tgtgagatct 250
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aatacaatta acaagcctct tttgtaaag ggtttcttt ctatgtataa 350
aatcgtggtg gtcccttgtt ttacatgtt catgctgtgt aattttgaga 400
tgttactgag atatgttctg aacataatgt gcatttttt ctgtacagat 450
gaaatgggag aatttaataa agagtgtgca gccacgcgt ccgcgagcgc 500
gtggg 505

<210> 323
<211> 632
<212> DNA
<213> Homo Sapien

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<220>
<221> unsure
<222> 21, 75, 80, 107, 117
<223> unknown base

<400> 323
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cagataaaaa ctgtagcaga tcaccaatag taactcactg taatgtgagt 250
acagtgaata aaggaatata agagatcatc caaatgaata aaagctgggt 300
agacatcaac aattttacct gcatcaacgg cagtgaatt tatcagccag 350
ggcagcttcc cagtgaacaa tattggaata aagtggcgct ccaacgggtca 400
agtggaatga atgagactgg agtaattgtt tgggtatttag cactttgtct 450
tcttctggct tggctcatag ttggagcagc actatttaaa ggaatcaaata 500
cgtctggcaa ggtggtatat ttacagctc ttttccccta tgtggtccta 550
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ttcatactat attggagccc cggacgcgtg gg 632

<210> 324
<211> 502
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 9, 24
<223> unknown base

<400> 324
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ggaattgatc acaccttttc agttgtactt caatcctgaa ttaattctta 100
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gttggaattca attttttatt taacatgatt tttctatata gttactgtcg 200
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<210> 325
<211> 375
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 9
<223> unknown base

<400> 325
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cattttacac atttttaatg aatgaaatga ctagtttgat tcattacacg 200
tttgtggaaa ttttgcagct aggttttaa ttaagaacac cagatttatt 250
taaatacaat ttaaaatcat tgtattccaa atggaagttt tcttctataa 300
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gtggccgagg aagcggacgc gtggg 375

<210> 326
<211> 198
<212> DNA
<213> Homo Sapien

<400> 326
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<210> 327
<211> 489
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 18
<223> unknown base

<400> 327
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attcttgtgt acataacaat ctgctctgta atcggcgctg tttcagtctc 150
ctgtgtgaag ggcttgggca ttgctatcaa ggagctgttt gcaggaagc 200
ctgtgctgcg gcatcccctg gcttggattc tgctgctgag cctcatcgtc 250
tgtgtgagca cacagattaa ttacctaaat agggccctgg atatattcaa 300

cacttccatt gtgactccaa tatattatgt attctttaca acatcagttt 350
 taacttgttc agctattctt ttttaaggagt ggcaagagat gcctgttgac 400
 gatgtcattg gtactttgag tggtctcttt acaatcattg tggggatatt 450
 cttgttgcat gcctttaaag acgtcagctt tagtctagc 489

<210> 328
 <211> 559
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 43, 46
 <223> unknown base

<400> 328
 aaagtgggcc ttttagggta aagagtttta aagagtttaa tgngtntatg 50
 gcagggttgg gaaaggtaag aaatgggtcc tttttcctcc taatgttttt 100
 ggcacttaaa acataaaatt cattatccta ttaaaaaatt aaattcagtt 150
 tgctaatcca gaaattgttc ccaaagaaa acttgtttta agtccacccc 200
 ttagtttctt tattttacaa ggtctctctt cagggaccaa caggggctta 250
 gagagcctta gttagattaa agggagaccc tacctcttaa aaccagtttt 300
 catttatgca aacaaggaca attaagggaa ccctgacccc acaggctctc 350
 aagtcttccc aaggccagaa tcgaaagaaa attaaaattt gaatgctgaa 400
 tattctggct ctactctggc ctttttttct ggttcccttc caaaatgcac 450
 aaatcatacc ctgtctgct ccaattcagt ctccaaacct ggtgcctgtg 500
 ctcttgcccc ccctagcatc atgctatccc aggagtatca ggaccagaca 550
 catccacgg 559

<210> 329
 <211> 523
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 4, 14, 60, 71, 99
 <223> unknown base

<400> 329
 ggcnacggcg gccnaagacg gacatgaagc aatatcaagg ttccggcggg 50
 gtcccatgn atgtggaacg nagtcgcttt ccctactgc gtggtgtgna 100
 cgcccatccc ggtgctcacg tggtttttcc ccatcatcgg ccacatgggc 150
 atctgcacat ccacaggagt cattcgggac ttgcggggcc cctactttgt 200
 ctgagaggac aacatggcct ttggaaagcc tgccaagtac tgaagttgga 250

ccctgctcag gtctatgcta gcgggcccaa cgcacgggac acggctgtgc 300
 acgacgcctc tgaggagtag aagcaccgca tgcacaatct ctgctgtgac 350
 aactgccact cgcacgtggc attggccctg aatctgatgc gctacaacaa 400
 cagcaccaac tggaaatattg tgacgctctg cttctctctg ctgctctacg 450
 ggaagtacgt cagcgttggg gccttcgtga agacctggct gcccttcac 500
 cttctcctgg gcatcatcct cac 523

<210> 330
 <211> 365
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 83, 124
 <223> unknown base

<400> 330
 ttgatttaa tgttggtgt gtgtctctc ctggcaactg gattttgcct 50
 gttcagaggt ttgattgctt tggattgcc atntgagctc tgccgattat 100
 atacgcaatt tcaagagccc tatntaaagg atcctgctgc ttatcctaaa 150
 attcagatgc tggcatatat gttctattct gttccttact ttgtgactgc 200
 actgtatggc ttagtggttc ctggatgttc ctggatgcct gacatcacat 250
 tgatacatgc tggaggtctg gctcaggctc agttttctca cattggtgca 300
 tctcttcacg ctagaactgc ttatgtctac agagtcctctg aagaagcaaa 350
 aatccttttt ttagc 365

<210> 331
 <211> 441
 <212> DNA
 <213> Homo Sapien

<400> 331
 gaaaatatct ggaggtactg cacataagga ttccaatttc tattttcaga 50
 acttttcattt gtaatttatg tacgcatcta acgtctattt acgtgtatac 100
 tgagttaggg tgtacaactt ttccctgagg ctgtatctca aaaactttgg 150
 aagctgaaga atttgtccaa atctatgttc ctttttggtt gtaaatacacc 200
 tgatgatggg gatatagctg tggccaacga aatgtcaagg gaagtctgct 250
 ggggaaggta gacgtaggat aggagtatgg gaaaaaatta ttcactcaaa 300
 agcatgatgc acagaggagc tatgatcttt tcttggtttc ctcactggat 350
 gttgtcatgt ctgtatgtac ttcttggaa tgtggcacca tcttacaacc 400
 atgaaaggag ctcacatgaa atcatgttga acatagcaga g 441

<210> 332
 <211> 627
 <212> DNA
 <213> Homo Sapien

 <220>
 <221> unsure
 <222> 45-46, 52, 71, 173, 226, 275
 <223> unknown base

<400> 332
 aggttggtcc ttttccggtt ttttggccaa tttcaagttt ccagnntcca 50

 tnatccaagt ttgaagcccc ntggcggatc cttaaaaatc cctgacctga 100

 ccagggtcgc caagggtcgc acaaggcctg ggccagggtc ccacaggag 150

 gtgaaaaaac tcccattccg ttnaaaagca gtttcctttg ggacccattt 200

 ccttttccct ttggccatgg cctgncctc caaagggttc ggtagttaa 250

 tgcaaagtgt ctaccaatag ccccnagaac tccaccacc tctctctgtc 300

 ttgtggctca agtcgagcaa cctgaaagga tatatttttt caaataagta 350

 attcctgtag gcaataaaaa gatacactat cttctgagtg aaatataaag 400

 agttcacagc agctgtctcc ccagtttgca ttttctctg cacctgatgg 450

 gaaggacaga taaagataat gggatttttt ctttattttt tatttcacct 500

 ccctctctcc ctggaagggtg gaaatgtaac aaattggatt gtgagtgtgt 550

 ctgtcctttg tgcttgggtc ctggagcagg gcatccggct gccgggcaga 600

 gctgctgcga gagaggtcag agctacc 627

<210> 333
 <211> 607
 <212> DNA
 <213> Homo Sapien

 <220>
 <221> unsure
 <222> 112-113, 151, 175, 183, 196, 211, 215, 223, 241, 247
 <223> unknown base

<400> 333
 ccaagttgaa gcccatggcg gtccttaaata cctgcctgac cagggtcgc 50

 agggtcgggc aagcaagtgc cagaagaata aagaagatgg acgcaaaaag 100

 aagaaaggaa gnnccagaag agacgaagag atgaaacgac agtcagatga 150

 natgaggagg aaagaaaggt ttcanaaagc cgncggaaat gaaagncgtc 200

 ctggtttgaa ngaanttgcc aanagataaa tccagcagga naggccnaga 250

 aagatcgagg tctgcttata tgctgttacc ttggacacca gagcagctat 300

 aggtatctgc cagagctatg aaatcattca gccggatcct cttcctcgtc 350

 ttctctctcg ccggcctgag gtccaagccg ctccctcage cctctgcct 400

ttgggctgtg gctttccgga catggccac cctctgaga cttccctct 450
 gaagggtgct tctgaaaatt ccaaacgaga tcgccttaac ccagaatttc 500
 ctgggactcc ttaccctgag ccttccaagc tacctcatac ggtttcctg 550
 gaaaccttcc cacttgactt cactgagccc ctcaacctg acctccgaga 600
 aaccccg 607

<210> 334
 <211> 417
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 24
 <223> unknown base

<400> 334
 ttcagactca ctgaatcaga accntgggat aggccagcac gctgtgcttt 50
 accaagctct aggtgatgcc aattcatact caagtgtgag gctgactggc 100
 ttatttgaag ggagagaaaag gaacaggcac atggcgacat atcagcattt 150
 acacaaggcg tgctgggtaa ccataggaac acctttatta cggttaaata 200
 ggaaacaggc atcaatgcag agggcccca ggagaatcag gaaggtcgcg 250
 actgtcactg tctgagggca ctgttgtgaa acgatggcg aaggtgacaa 300
 ccacagcaaa gtttcaagga agttcactga aacgtggaaa aaccactca 350
 atgtctgct ctcatttata ttgagtggct taagtattta ttttcttggt 400
 ttttttagagg aaggag 417

<210> 335
 <211> 531
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 40, 76
 <223> unknown base

<400> 335
 gaagcttccg ttgccaagcg acatgttcaa ggtaattcan aggtccgtgg 50
 ggccagccag cttgagcttg ctcacnttca aagtctatgc agcaccaaaa 100
 aaggactcac ctcccaaaaa ttccgtgaag gttgatgagc tttcactcta 150
 ctcagttcct gaggggtcaat cgaagtatgt ggaggaggca aggagccagc 200
 ttgaagaaag catctcacag ctccgacact attgcgagcc atacacaacc 250
 tgggtgtcagg aaacgtactc ccaaactaag cccaagatgc aaagtttggt 300
 tcaatggggg ttagacagct atgactatct ccaaaatgca cctcctggat 350

tttttccgag acttggtggtt attggttttg ctggccttat tggactcctt 400
 ttggctagag gttcaaaaat aaagaagcta gtgtatccgc ctggtttcat 450
 gggattagct gcctccctct attatccaca acaagccatc gtgtttgccc 500
 aggtcagtgg ggagagatta tatgactggg g 531

<210> 336
 <211> 446
 <212> DNA
 <213> Homo Sapien

<400> 336
 ggcgcccgag gcggacggcc gcttaaacgg ctgctcgtgc cgattctttt 50
 acctgagaaa tgctacgacc aacttttctg tcagtgggac ttgcttcacg 100
 tcccctgcct caagattctc ctcagcaaag gcctggggct gggcattgtg 150
 gctggctcac ttctagtaaa gctgccccag gtgttttaaaa tcctgggagc 200
 caagagtgtc gaaggggtga gtctccagtc tgtaatgtcg gagctagtgg 250
 cattgactgg gaccatggtc tacagcatca ctaacaactt cccattcagc 300
 tcttgggggtg aagccttatt cctgatgtc cagacgatca ccatctgctt 350
 cctggtcatg cactacagag gacagactgt gaaaggtgtc gctttcctcg 400
 cttgctacgg cctggtcctg ctggtgcttc tctcaacctt gacgcc 446

<210> 337
 <211> 489
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 16, 67
 <223> unknown base

<400> 337
 cggaacgcgt gggcgacgc gtgggcaaga tgtccctgtg gactcccaa 50
 ctctactcca gatgggnagg tgcccttaac accaagattt taaaagctcc 100
 aatttcagag caagagtcga aaactcacag ataaagttat agttatttca 150
 gggttctgaa aagacgcaga acatgaaggg actcagaagt ctggcagcaa 200
 caaccttggc tcttttcctg gtgtttgttt tcctgggaaa ctccagctgc 250
 gctccgcaga gactgttggg gagaaggaac tggactcctc aagctatgct 300
 ctacctgaaa ggggcacagg gtcgccgctt catctccgac cagagccgga 350
 gaaaggacct ctccgaccgg cactgcccgg aaagacgaag cccaaatccc 400
 caactactaa ctattccgga ggcagcaacc atcttactgg cgtcccttca 450
 gaaatcacca gaagatgaag aaaaaaactt tgatcaaac 489

<210> 338

<211> 452
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 3
<223> unknown base

<400> 338
ccntgcacaa gcagcacttt cttttgccat agcaacatgt gcatcaataa 50
ttcttttagtc tgtaatggtg tccaaaattg tgcataccct tgggatgaaa 100
atcattgtaa agaaaagaaa aaagcaggag tatttgaaca aatcactaag 150
actcatggaa caattattgg cattacttca gggattgtct tggtccttct 200
cattatttct atttttagtac aagtgaaca gcctcgaaaa aaggatcatgg 250
cttgcaaaac cgcttttaaat aaaaccgggt tccaagaagt gtttgatcct 300
cctcattatg aactgttttc actaaggagc aaagagattt ctgcagacct 350
ggcagacttg tcggaagaat tggacaacta ccagaagatg cggcgctcct 400
ccaccgctc ccgctgcatc caccgaccacc actgtgggtc gcaggcctcc 450
ag 452

<210> 339
<211> 354
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 27
<223> unknown base

<400> 339
aaataaagaa ccatggtatc atgttgntca gtgcttcaga cagaaagatt 50
gttgaagcat caaggagagc ttttgttatg tggcaatgaa ctacgaagag 100
gaaatggcca agaaacccga ttgtctagag aaagtttacc aactacctga 150
tggaagggtc atccagctcc atgaccagct cttttcttgt ccagaggccc 200
tcttctctcc gtgtcatatg aaccttgagg cccttggcat tgataagata 250
tgcttcagca gcataatgaa atgtgatata ggcttgagga attccttctt 300
ttccaatatt atccttgccg ggggatcaac ctctttccct ggtttagaca 350
agct 354

<210> 340
<211> 547
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 20, 77, 101, 142, 151
<223> unknown base

<400> 340
tggcggtcctt aaaatcctgn cctgaccagg gtccggcggt tcagttggag 50
gaaaagtgtg gccttgccagg tggcaantgg tccaggtacc ggtatttggc 100
nggcccgttt ttgcctcctc ctccgtgggt gcggcgggaa tnttggccgg 150
ncggccttgg gacggcccag gtcccggccg caagggtccg gccaatatcat 200
agtcattcagt agaaacttct tgaagtgtt caagaaaaat ttgaaagtag 250
caaaatagaa aataaagaat taacagcaga tacagaggca gcatgaagtg 300
ttgtcttagg aaacagaaca cagcagtga aaacagaca aaatccgctc 350
agatacaact gcagctgata atgttttccg gcttcaatgt ctttagagtt 400
gggatctctt ttgtcataat gtgcattttt tacatgccaa cagtaaaactc 450
tttaccagaa ctgagtcctc agaaatatat tagtacattg caaccaggaa 500
aagcctcttt agcttatatt tgtcaagctg attcccccaag aaatata 547

<210> 341
<211> 374
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 34, 42
<223> unknown base

<400> 341
ccgaatcaag ttcgagtcatt ccgtgtgggc attngtcccc cntggcacag 50
ttggcttctt tccagaagcc cgttttgttt gttttacgtc taaattcggc 100
tcggttctta tttctctccc tggcaaggct tgaagacggg taggagaata 150
acctgtgtca gcgtgttatg atgccgtccc gtaccaacct ggctactgga 200
atccccagta gtaaagtga atattcaagg ctctccagca cagacgatgg 250
ctacattgac cttcagttta agaaaacccc tctaagatc ccttataagg 300
ccatcgact tgccactgtg ctgtttttga ttggcgccctt tctcattatt 350
ataggctccc tctgctgtc aggc 374

<210> 342
<211> 515
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25
<223> unknown base

<400> 342

agttccggca aggggtgcatc cggcntgtgt gtggcgcaag gcaaggaaac 50
 cggtagcccg gtccctggccc cagcgctgac gttttctctc ccctttcttc 100
 tctcttcgcg ggttgcggcg tcgcagacgc tagtgtgagc ccccatggca 150
 gatacgaccc cgaacggccc ccaaggggcg ggcgctgtgc aattcatgat 200
 gaccaataaa ctggacacgg caatgtggct ttctcgcttg ttcacagttt 250
 actgctctgc tctgtttgtt ctgcctcttc ttgggttgca tgaagcagca 300
 agcctttacc aacgtgcttt gctggcaa at gctcttacca gtgctctgag 350
 gctgcatcaa agattaccac acttccagtt aagcagagca ttctgtccc 400
 aggctttgtt agaggacagc tgccactacc tgttgatctt actcatcttt 450
 gtaaattcct atccagttac aatgagtatc ttcccagctt tgttattctc 500
 tttgcttcat gctgc 515

<210> 343
 <211> 509
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 18, 46, 63, 68, 117, 139, 145, 164, 173, 179, 181, 246
 <223> unknown base

<400> 343
 cctgacccag ggtccgngg caattttcca tttatgccct gtggtncggg 50
 acatacctag atntcagncc atttctcca ggttttgcc ttgttttaag 100
 gccctgggct gggattncaa gtggcttgat caacccccnt ttggnccagt 150
 actaccctta gggncctga ccntgactnt ntgcagcatt ttcataccta 200
 tcgggttggg cgtcttcatt cgctacaaat acagccgggg gctgantaca 250
 ttgtgaagg ttcctgtgg tctctgctag tgactctggt ggtccttttc 300
 ataatgaccg gcactatgtt aggacctgaa ctgctggcaa gtatccctgc 350
 agctgtttat gtgatagcaa tttttatgcc tttggcaggc tacgcttcag 400
 gttatggttt agctactctc ttccatcttc caccactg caagaggact 450
 gtatgtctgg aacaggtag tcagaatgtg cagctctgta cagccattct 500
 aaaactggc 509

<210> 344
 <211> 336
 <212> DNA
 <213> Homo Sapien

<400> 344
 cctaaatagg gccctggata tattcaacac ttccattgtg actccaatat 50
 attatgtatt ctttacaaca tcagttttaa cttgttcagc tattcttttt 100

aaggagtggc aagatatgcc tgttgacgat gtcattggta ctttgagtgg 150
 cttctttaca atcattgtgg ggatattctt gttgcatgcc tttaaagacg 200
 tcagcttttag tctagcaagt ctgcctgtgt cttttcgaaa agacgagaaa 250
 gcaatgaatg gcaatctctc taatatgtat gaagttctta ataataatga 300
 agaaagctta acctgtggaa tcgaacaaca cactgg 336

<210> 345
 <211> 380
 <212> DNA
 <213> Homo Sapien

<400> 345
 ttaagtgcaa accatgcagt gcccgaggat gataccatta gcaatgactc 50
 caatgatttc accgaagtag aaaatgggtca gataaatagc aagtttattt 100
 ctgatcgtga aagtagaaga agtctcacia acagccattt ggaaaaaaag 150
 aagtgtgatg agtatattcc aggtacaacc tccttaggca tgtctgtttt 200
 taacctaaagc aacgccatta tgggcagtgg gattttggga ctgcctttg 250
 ccctggcaaa cactggaatc ctactttttc tgggtactttt gacttcagtg 300
 acattgctgt ctatatattc aataaacctc ctattgatct gttcaaaaga 350
 aacaggctgc atggtgtatg aaaagctggg 380

<210> 346
 <211> 364
 <212> DNA
 <213> Homo Sapien

<400> 346
 gcagcattca gagttactgg ctgtcatittt tcatgggtgat gattttattt 50
 gtagctttca taacctgttg ggaagaagtt actacttttg tacaggctat 100
 caggataact tcctatatga atgaaactat cttatatattt cctttttcat 150
 cccactccag ttatactgtg agatctaaaa aaatattctt atccaagctc 200
 attgtctgtt ttctcagtac ctggttacca tttgtactac ttcaggtaat 250
 cattgtttta cttaaagttc agattccagc atatattgag atgaatattc 300
 cctggttata ctttgtcaat agttttctca ttgctacagt gtattggttt 350
 aattgtcaca agct 364

<210> 347
 <211> 752
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 40, 47, 73, 87, 235, 256
 <223> unknown base

<400> 347
 acaatggttg gtaaaataat tggggggggac ttttgggcn ttcaggntta 50
 atagtattaa gtctatgggc aantggagcc ttagganaat ttgggggggtt 100
 tttaatcttt ttcttggttg gcttagatth ttctccagaa aagttaagaa 150
 aggtgtgaag atttccttac aaggcccggtg ttacatgccca ctgttaatga 200
 ttgcatttgg cttgctgtgg gggcatttct tgcgnatcaa acccacgcag 250
 agggtnntca tttccaaggt gtctgtcctt tgtcaagcac acccctcgtg 300
 tccaggttcc tcatgggcag tgctcggggg gacaaagaag gcgacattga 350
 ctacagcacc gtgctcctcg gcatgctggg gacgcaggac gtgcagctcg 400
 ggctcttcat ggccgtcatg ccgactctca tacaggcggg cgccagtga 450
 tcttctagca ttgtcgtgga agttctccga atcctggttt tgattgggtca 500
 gattcttttt tcaactagcgg cggtttttct tttatgtctt gttataaaga 550
 agtatctcat tggaccctat tatcggaagc tgcacatgga aagcaagggg 600
 aacaaagaaa tcctgatctt gggaatatct gcctttatct tcttaatgtt 650
 aacggtcacg gagctgtgg acgtctccat ggagctgggc tgtttcctgg 700
 ctggagcgt cgtctcctct cagggccccg tggtcaccga ggagatcgcc 750
 ac 752

<210> 348
 <211> 342
 <212> DNA
 <213> Homo Sapien

<400> 348
 aaaaaaaaaa aaaaaaaaaa agaaccactt ctgccttatt attctctctt 50
 tattaccgaa atgcggagac agaaagtcaa cagagaaaga attgttttcc 100
 ccaaggccac acagattgct ccaacacttg acttttctctg ctaggaactc 150
 aatccaagag atgggctttc ttttgttctc tgactataaa aggggtgtcac 200
 cttgtcacca tcttctatca cacaggaccc ctatgggctt ggtttggttt 250
 tgttctttca tcattattat ttggaaagtt atatttcctt tactgtcctt 300
 gaggtgtgag gcttcacctc atcttgtctc catatccctg ag 342

<210> 349
 <211> 608
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 19, 46, 101, 110, 132, 271
 <223> unknown base

<400> 349
 tggatcccat ggccagggng gcgtccaggt gcaaaccagt agaacncaag 50
 gcctgaacct ggggccagac accttgtttt ccccgcccat ggtcaagacc 100
 ntccagtacln tgccttactg tgggccaga antgggccaa gtcttggcag 150
 cccgtgccgc aggttggtgt gcagtttggg gtgttcttct gcaccatcct 200
 ccttttgctc tgggtgtctg tcttctctta tggctccttc tactattcct 250
 atatgccgac agtcagccac ntcagccctg gcatttctac tacaggaccg 300
 actgtgattc ctccaccacc tcaactctgt ccttcctgt tgccaatgtc 350
 tcgtgacta aggggtggacg tgatcgggtg ctgatgtatg gacagccgta 400
 tcgtgttacc ttagagcttg agctgccaga gtcccctgtg aatcaagatt 450
 tgggcatgtt cttggtcacc atttctctgt acaccagagg tggccgaatc 500
 atctccactt cttcgcgttc ggtgatgtg cattaccgt cagacctgt 550
 ccagatgtg gacacactgg tcttctctag cctcctgcta tttggctttg 600
 cagagcag 608

<210> 350
 <211> 590
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 38, 85, 87, 117, 189
 <223> unknown base

<400> 350
 aaatttgaaa ccataagtt accaagtcta tatcaggngc agtggctttg 50
 attaaagccc atttttaaaa cttaaaaact caacnctcc cagattataa 100
 tagaaaaaga aatggcntca gtttgatctc gttcagaatg cccagattg 150
 ttctgctttg gggcagctgt ttagttcaga gttatattno agagaattat 200
 tttctgagat aatcttaaac tagaatgttc aaaactaatt gataattgaa 250
 gtatcaagat acgtagaaca cctcagagat ttttcttcag gaacttccac 300
 aaactttgaa tccttgatc tttatttggg attcatacta ctagtagcaa 350
 aatacagggt ttttgttttg ttttgttttg ttttggttc atagagtatc 400
 tcaaattgaa acttttctgc acaaagaata aaattaagga ttttataaac 450
 tcaaattggc acctactgaa ttaaaatata taaaatcatt taaatataat 500
 tcagcatatg ggaagtaaca ttgcactaat atggaaatca ctgccagaga 550
 cagtctatct tcttttaatt tgttactact tagtcacaaa 590

<210> 351
 <211> 517

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 20, 65, 78
<223> unknown base

<400> 351
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aagcaattga attgnaagca ataaaacnga ctttatcaag tcctaaatgt 100
acaagagaag aagagaaaaat cacttgacaa tgaagttgaa aagacagcaa 150
atcttgtcat tagcaactgg aatcagcaaa ttaaggccaa gaagaaatta 200
atggttagta ccaagaaaca tgaagcactt ttccagcttg tagaaagctc 250
caagcaatct atgactgaga aggagaagcg gaagctcctc aataaactga 300
caaaatcaac tgaaaagttg gaaaaggaag atgaaaatta ctacaaaaaa 350
aacatggcgg gttattctac cagactgaaa tgggaaaaca cactagagaa 400
ctgctaccag agcattctgg agctggagaa ggaaagaatt caacttttat 450
gcaataactt aaaccagtac agccaacata tttctctttt tggccaaacc 500
ctgaccacat gccacac 517

<210> 352
<211> 559
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 59, 104, 126
<223> unknown base

<400> 352
tttaaagaaa tgggtaaata ctgagccttt ntgcaacctt ttttggaagc 50
accagcccnc agaagattct gtgacttggtg tgcttttagg tgcaccctca 100
gacntctggc tcagtacacc tcgggntgat tgagactggt gcctcagtct 150
ctcatttggg ttgacattat tcattttaat gaatgaatac atttgtcgca 200
gaaagtggaa ttctctcatt gttgagagaa aattctcagc ttgagtcaag 250
aagtttccat atttaccaga accttctagc tttgatgagc ataactactg 300
ctaaaataat gtgtcttctg agcagctggg taccagtgcc tgtggcctgt 350
agcattagtt actgcctgag ggatggtgac tgttaccgca gaatggtggg 400
cttcgttgac ttgtcttctc tcctctccct cttaccact tcccggagaa 450
acaggacagc aggcacagcc agtaacaagc tgtggtacgc ctccctggcc 500
ctggtgacgc tcatcatgta ttccattgcc actggagggt tggttttgat 550

ggcagtgtt 559

<210> 353

<211> 609

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 48, 163

<223> unknown base

<400> 353

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 acatatgaaa agtatttaga aagagcttgg catgtagtaa cactcaata 100
 aaagtttagct actattatga agtggtttcc aatggtttat ttagaagcaa 150
 aatagtatca gntagaagt ccaggcttgg ttttctccca aacatgtttt 200
 cacaagtgtc tccatggtct ccttctcctt ttcttcttcc tcttctccta 250
 aaaacatatt ttgctgtgtc tgcttggtca tctttcactg ggccagagaa 300
 agaatccctg agggttggac aaggggagca gctgagttgg tgagaaaagg 350
 agccagcag gttgaatgcc tcgaaccact gtgatgagct cttgagctgg 400
 gtgccaatca aagtgaagca gtggggcttg ccaggtgaga tgttaatttc 450
 agcagtcaca cgtgtccctg tctggactct ccctaggact cttgacccta 500
 ccctgcagtg gtttgaaatg gattttatta ggctttcatt acattctcat 550
 atcatttttt tcaactggta tctaagctac acgagagcca gtgtagtgct 600
 ttgtccttg 609

<210> 354

<211> 603

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 23, 27, 68, 74, 137

<223> unknown base

<400> 354

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 gtttttaaag gaattggnag atgncaattg gggaaatatt taaaatttaa 100
 gtaaaatata aagcttcctt atttcatgta acccagncaa tctcagtata 150
 catgatcagt tgtgtctgac aggtaaatct atttgaggcc ttatcacacg 200
 ttacttttaa gaactagaaa ggaaaagtca ctgatcttaa gtatttataa 250
 tacttcatgt ggtctaatac tttttacgtt ttgttttgat tcagatttag 300
 tccggattcc cggtatctgg cagtaggttc tagtgagaac tcagtggatt 350

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tttatgacct aacgctgggc cccactctta acagaatcag ctactgcaaa 400
gacattccaa gctttgtcat tcaaattggac ttctctgcag atagcagtta 450
tctccaggt aagtagcaat actgtatacc caggtggcaa gttcttctgc 500
ttttacattt cgtgttagtg aatgcattta aagttcctga gctccagagc 550
tccagcttct caactcctcc ctttgtacct tctgacctac agctcctctt 600
tcc 603

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<210> 355
<211> 633
<212> DNA
<213> Homo Sapien
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<400> 355
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cccagttggt aaattttacag ttggttaant aaaagttttt cccagtacga 100
ncagggcgta atcanagatc cntaagtgtt tagtncaggg catgtgcttt 150
ttaaagtggg natggctatt tacagattgg cctacactgt tntgggtggga 200
gccntcagtg accaaggagc agaggtaact gaaacccacc cttgaagcca 250
tntggatgct ccgttcattc aaatctgggg tgttctaacc caaagtaact 300
ggccacagac tgcaatgtaa gatacaaac ttcaggacct agtgtgtgca 350
catgttggct cttatataag atggcatcct tagtacttgt tctatgtaga 400
aaagaatttg tgggctcaca agtccctaca gagtctcaca ctctcatggc 450
caataagtat acagggatac ccggaattag acaaacacag atgagacatt 500
tattttctgta tatgaattta ttttatttat ttattttatt tttgggacag 550
ggctctcgctc tgtcgcccat cctggagtgc ggtggcctgg ctcatcgcaa 600
gctccgcctc ccgggtttac accattctgc ctc 633
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<220>
<221> unsure
<222> 41, 64, 83, 86, 115
<223> unknown base
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gagatggaaa taacntaaga aaaagagggc atccagctcc atctcccatt 150
tggcgctcatg ctgctctggg tctggtaact ctttgctga tgttgctgat 200
tgggctggtg acgttgggga tgatgttttt gcagatatct aatgacatta 250
actcagattc agagaaattg agtcaacttc agaaaacccat ccaacagcag 300
caggataact tatcccagca actgggcaac tccaacaact tgtccatgga 350
ggaggaattt ctcaagtcac agatctccag tctactgaag aggcaggaac 400
aaatggccat caaactgtgc caagagctaa tcattcatac ttcagaccac 450
agatgtaatc catgtcctaa gatgtggcaa tggtaacaaa atagttgcta 500
ctatttttaca acaaagtagg agaaaacctg ggctaacagt agaaaggact 550
gcatagacaa gaactccac 569

<210> 357
<211> 565
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 7, 19, 117, 197
<223> unknown base

<400> 357
caaaaanagt gcccgtccng ttgttgtaag tgaagggacg gcagtcagtt 50
gaccctgcag tgtgcaggcg agcgcaggga gtacgccatg tcctgagaag 100
gggcgattct caggctntgg cagttacagc ttctcctcac cctgccgagc 150
aaccaggcca cggggctccg tgcacgcca cctagagtgt taccctnttc 200
cttgttcacg gaggttctcc gcagtgtgtg agaaagaggc cctctctcag 250
atgaatggat aaagaaaatg caggacatat ggggggagga gccaagatgg 300
ccgaatagga acagctccgg tctacagctc ccagtgtgag cgacacagaa 350
gacaggcaag aagaataaat gtctctggtg gaacttttgc tctggtggaa 400
ctgcttttct agaactggtg ttgcagcatc cctggaagtg tcagagagcc 450
ctgggagtat ccagggtggc cggggtcaga cagcagtcct gccctgcact 500
ttcactacca gcgctgccct cattaacctc aatgtcattt ggatggtcac 550
tcctctctcc aatgc 565

<210> 358
<211> 575
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 138, 536
<223> unknown base

<400> 358
 ggttccctaa agattgaagc tttttaagac tcagcttttg acacatttac 50
 taattatact taattgttcc ttggtgattt ccccccgctg gggttggttc 100
 ccttgaactc cacactcatt acgttcagag cctttttnta cactacttga 150
 attattttta tttaggtata taaaatactg gtggcaatag cataaattct 200
 aagtgttaaa cttgatgaag taatattgta cacctatgta agcactgccc 250
 agactgatat acattttacag cctaaggagg cttctttgtg ctgctttgct 300
 attaatactt cattgcccag aaatagcccc tctcctaatt tccataacca 350
 gagataagct tacatgtttt tccgcttcat gtaaattggaa tcgtacgctg 400
 aacccttttt tgtgtctggt ttcttttgct caacattatt tcatgcaaca 450
 ataaggatgg ctctctcaga cataatattc atttttatct atgtagtgtt 500
 ttatgggaat tgcactgagt tagagaaaact gaagtntgaa ggaatagttt 550
 ccacaagact gccctcattt cagac 575

<210> 359
 <211> 553
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 60, 83, 87, 98, 104, 106, 170
 <223> unknown base

<400> 359
 agtgccgtcc cgggtgttga agtgaaggac ggcagtcagt tgccttgacg 50
 tgtgcaggcn agcgcaggag taccgccatg tcntaanaag ggcgattntc 100
 aggnntntggc agtacagttt ctctcacccc tgcgagcaaa ccaggccacg 150
 gggctccgtg catcgccacn tagagtgtta ccctcttctt tgttcacgga 200
 ggttctccgc agtgtgtgag aaagaggccc tctctcagat gaatggataa 250
 agaaaatgca ggacatatgg ggggaggagc caagatggcc gaataggaac 300
 agctccggtc tacagctccc agtgtgagcg acacagaaga caggcaagaa 350
 gaataaatgt ctctgggtgga acttttgctc tgggtggaact gcttttctag 400
 aactggtgtt gcagcatccc tggaaagtgc agagagccct gggagtatcc 450
 aggtggcccc gggtcagaca gcagtcctgc cctgcacttt cactaccagc 500
 gctgcctcca ttaacctcaa tgtcatttgg atgggtcactc ctctctccaa 550
 tgc 553

<210> 360
 <211> 502
 <212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 40, 57, 63, 68, 78, 84, 88, 138, 350

<223> unknown base

<400> 360

caaaatgtta agaacgtcca ctctaatact gtgggtggtg tgcattgccg 50
ggccccntgg ttntcttntg gcattttntg cttntgcntc atattcttgt 100
taggccaggt gggcttggtg caggacaccc ccagtgcntg gattacgggc 150
cccccttcca gcccccttg caccttgagt tttgctctga ctatgagtcc 200
ttcggctgct gtgatcagca caaggaccgc cgcacgctg cccggtactg 250
ggacatcatg gaatatcttg atctgaagag acatgagctg tgtggagatt 300
acattaaaga catcctttgc caggagtgtc cgccctacgc agcccacctn 350
tacgacgccg aaaacaccca gacgcctctc cggaatctcc cgggcctctg 400
ctctgattac tgctctgcct tccattctaa ctgtcactca gccatttccc 450
tgctgaccaa tgaccgcggc ctccaggagt ctcatggaag ggacggtacc 500
cg 502

<210> 361

<211> 459

<212> DNA

<213> Homo Sapien

<400> 361

cccacgcgtc cggcttgaag actgacaaga tgccctgtg gactcccaa 50
ctctactcca gatggggagg tgcccttaac accaagattt taaaagctcc 100
aatttcagag caagagtcga aaactcacag ataaagttat agttatttca 150
gggttctgaa aagacgcaga acatgaaggg actcagaagt ctggcagcaa 200
caaccttggc tcttttctctg gtgtttgttt tccctgggaaa ctccagctgc 250
gctccgcaga gactgttggg gagaaggaac tggactcctc aagctatgct 300
ctacctgaaa ggggcacagg gtcgccgctt catctccgac cagagccgga 350
gaaaggacct ctccgaccgg cactgccgg aaagacgaag cccaaatccc 400
caactactaa ctattccgga ggcagcaacc atcttactgg cgtcccttca 450
gaaatcacc 459

<210> 362

<211> 442

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 23, 53, 59, 70, 357

<223> unknown base

<400> 362

aatcaccggt gtcgctgttc ctnaggtggt caaggtggac aggggcggtg 50
gtnatggcnc agtttgacan tgaataccag cgcctagagg cctcctatag 100
tgattcacc ccaggggagg aggacctgtt ggtgcacgtc gccgagggga 150
gcaagtcacc ttggcaccat attgaaaacc ttgacctctt cttctctcga 200
gtttataatc tgcaccagaa gaatggcttc acatgtatgc tcatcgggga 250
gatcttttag ctcattgcagt tctcttttgt ggttgacctc actaccttcc 300
tggtcagctg cgtggactat gacatcctat ttgccaaaca gatgggtgaac 350
cacagtnttc accctactga acccgtcaag gtcactctgc cagacgcctt 400
tttgacctgt caagtctgta gtgccaggat tcaggaaaat gg 442

<210> 363

<211> 511

<212> DNA

<213> Homo Sapien

<400> 363

gtccgaacct gagcaaacc agcagcccca gtgttcccaa ggccaaaatg 50
ctgagaacct ccactcctaa tctgtgtggt ggtctgcatt gccgggcccc 100
ctggctctct tctggcattc tctgcctctg cctcatattc ttgttaggcc 150
agggtgggctt gctgcaggga cccccccagt gcctggatta cgggccccct 200
ttccagcccc ctctgcacct tgagttttgc tctgactatg agtccttcgg 250
ctgctgtgat cagcacaagg accgccgat cgtgccccg tactgggaca 300
tcatggaata ttttgatctg aagagacatg agctgtgtgg agattacatt 350
aaagacatcc tttgccagga gtgctcgccc tacgcagccc acctctacga 400
cgccgaaaac acccagacgc ctctccggaa tctcccgggc ctctgctctg 450
attactgctc tgccttccat tctaactgtc actcagccat ttccttctgt 500
accaatgacc g 511

<210> 364

<211> 407

<212> DNA

<213> Homo Sapien

<400> 364

cccacgcgtc cgtgaacaca caaagagctt attttgtag gcaaatacac 50
attaataaga atgcctagaa gaggactgat tcttcacacc cggacccact 100
ggttgctgtt gggccttgct ttgctctgca gtttggtatt atttatgtac 150
ctcctggaat gtgccccca gactgatgga aatgcatctc ttcttgggtg 200
tggtggggaa aattatggtg aagagtatta tcaagccctc ctacaggaac 250

aagaagaaca ttatcagacc agggcaacca gtctgaaacg ccaaattgcc 300
caactaaaac aagaattaca agaaatgagt gagaagatgc ggtcactgca 350
agaaagaagg aatgtagggg ctaatggcat aggctatcag agcaacaaag 400
agcaagc 407

<210> 365

<211> 552

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 42, 85, 93, 103, 129

<223> unknown base

<400> 365

tggttggggc ctccaagatt agaatgttac tagggccaaa ancagtggga 50
ttggtaaaag aggcaatgat acccccatga gagcnttcac atncagaacc 100
agncagaact tcaaaggttt tgatgatanc aatgatgatt tcctgacaat 150
ggcagaatgt caattcatta tcaaacatga acttgaaaat cttagagcta 200
aagatgaaaa aatgatccct ggttaccctc aggcmaaagtt gtatccagga 250
aaatcattgt tgagaagatt gctcacgtct ggcatcgtga ttcaggtgtt 300
tccactgcat gacagtgaag ccctgaagaa gcttgaggac acctggtaca 350
ctcggtttgc tttgaagtat cagcccatag agaattcacag attggaatct 400
gcctatcaga accatctaatt tctgaaagtt ttagtgttca acttcctcaa 450
ttgctttgcc tcactcttct atattgcctt tgtcttgaaa gatatgaagc 500
ttttgcgcca gagcttggcc actctcctaa ttacctccca gatcctcaac 550
cg 552

<210> 366

<211> 244

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 74, 199

<223> unknown base

<400> 366

atttgattaa attatgaatg agttttacaa attcctttca gagttttact 50
aagatcacac aaataacagc tttnttattc agtgaaaaag atattttatt 100
tctgatgttt tatttgcact cgtggaatat gttaccatta atcagaaaca 150
tcatggcaac ccctaagaat agactaagtt tgtgttggct gagggattnt 200
atttggtttg cttttttttt gctttgttat attttattgc taca 244

aagaagaaca ttatcagacc agggcaacca gtctgaaacg ccaaattgcc 300
 caactaaaac aagaattaca agaaatgagt gagaagatgc ggtcactgca 350
 agaaagaagg aatgtagggg ctaatggcat aggctatcag agcaacaaag 400
 agcaagc 407

<210> 365
 <211> 552
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 42, 85, 93, 103, 129
 <223> unknown base

<400> 365
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 ttggtaaaag aggcaatgat acccccatga gaggnttcac atncagaacc 100
 agncagaact tcaaagggtt tgatgatanc aatgatgatt tcctgacaat 150
 ggcagaatgt caattcatta tcaaacaatga acttgaaaat cttagagcta 200
 aagatgaaaa aatgatccct gggtaccctc aggcacaagt gtatccagga 250
 aaatcattgt tgagaagatt gctcacgtct ggcacgtga ttcagggtgt 300
 tccactgcat gacagtgaag ccctgaagaa gcttgaggac acctggtaca 350
 ctcggtttgc tttgaagtat cagcccatag agaattcacag attggaatct 400
 gcctatcaga accatctaatt tctgaaagt ttagtggttca acttcctcaa 450
 ttgctttgcc tcaactcttct atattgcctt tgtcttgaaa gatatgaagc 500
 ttttgcgcca gagcttggcc actctcctaa ttacctccca gatcctcaac 550
 cg 552

<210> 366
 <211> 244
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 74, 199
 <223> unknown base

<400> 366
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 aagatcacac aaataacagc tttnttattc agtgaaaaag atattttatt 100
 tctgatgttt tatttgcact cgtggaatat gttaccatta atcagaaaca 150
 tcatggcaac ccctaagaat agactaagtt tgtgttggct gagggattnt 200
 atttggtttg cttttttttt gctttgttat attttattgc taca 244

<210> 367
<211> 448
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 100, 148, 251, 352
<223> unknown base

<400> 367
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gaaagcttaa agggagcttg atgctggcaa tgggatcaga gtgtttgacn 100
tgacatcggg atgttcattg ctagtctgac catctggctc ctctgtanaa 150
acattgttca gaaacctgtg acagacgaag cagcacagag taaccgggag 200
tttgaaaatg aagaattggc tgaaggagaa aaaattgatt cagaagaggc 250
nctgatctat gaagaggatt tcaatggagg agatgggtgtt gaaggcgagt 300
tggaagaaag cacgaagtta aaaatgttcc gcaggcttgc ctctgtggcc 350
tntaagctca aggagttcat tggcaacatg atcaccactg ctgggaaagt 400
cgttgttacc atcttactgg gctcctcggg catgatgttg ccgtcttg 448

<210> 368
<211> 636
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 40, 57, 81, 133, 156, 158
<223> unknown base

<400> 368
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aaatgnggcc cattgcattc cagcctcggg nccgagcaag actttgttta 100
aaaaaaaaat tttaaattagc cattaccctt agntaatttt taaatttttt 150
gtgaanana ggcctcactg tcttgcccag gctgggtctg aactccaggc 200
ttcaggtgat ccttctgcct tgcctcccaa agggcgggat tacaggtgtg 250
agccactgtg cccaactcat tactttttta aaaaattact ttccatttct 300
agtttatata tgacaggtag ttactttaag tagtaaata tatgtttaac 350
aataaataaa aatgatcagg atttcccccg acatgctttc ctttcttctc 400
tttttcttcc tttctctctc attttatccc ttctcctgcc ctttttgga 450
gtccttattg gaggaaaaaa taacttgccc tatttgtttc ctactaatt 500
gttatcagtc tcgggtatca aggcaagcag attcaaattg ctgtaata 550
tacagtgcaa ttagattaga gtctactaag aatttaattg gagaatgttc 600

aaaatactttt tctaaagtta attttttttag tattca 636

<210> 369

<211> 458

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 34, 38, 57, 73, 118

<223> unknown base

<400> 369

tagaagggtcc gtcattggacc ccagatccat ttentagnaa ggccgtcatg 50
acaccnnga tccatttcct agnaggggcg tcatgacacc ccggatcctt 100
ttcccctcag aggggctngt catgactcag acacatctcc tcccagagga 150
tccgtcatga ctctcagac acttcacccc caaggagggc ccgtcatgat 200
tctccagatc cttctcccc aaggaggcct cagcataatt cttcaggtgc 250
atctcctagg agagtccgtc atgattcacc agatccctct cctcctaggc 300
gagcccgta tggttcctca gatatctctt ccccagaag ggtccataac 350
aactcccctg acacatctag gaggactctt ggctcttcag acacacagca 400
actcagaagg gcccgatcatg actcccctga tttgggtcct aatgtcactt 450
attccctg 458

<210> 370

<211> 538

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 5, 20, 47, 88

<223> unknown base

<400> 370

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ataaaaagtta ggaaacgtaa ccagcttcat ttttttgnca gcagacttaa 100
agatctgaaa cttggaacta atatcaagga tttatgtgct gctctttgga 150
ttctgatgaa gaatccagtg ctcatatgcc tagctctgtc aaaagctaca 200
gaatatttag ttattattgg agcttctgaa tttttgccta tatatttaga 250
aaatcagttt atattaacac cactgtggc aactacactt gcaggacttg 300
ttttaattcc aggaggtgca cttggccagc ttctgggagg tgtcattgtt 350
tccacattag aaatgtcttg taaagccctt atgagattta taatgggtac 400
atctgtgata tcaattatac tgcttgtgtt tattatTTTT gtacgctgta 450
atccagtgca atttgcctggg atcaatgaag attatgatgg aacagggaag 500

ttgggaaacc tcacggctcc ttgcaatgaa aaatgtag 538

<210> 371

<211> 692

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 51, 77, 87, 103, 119, 154, 158, 165, 183, 212, 329, 476

<223> unknown base

<400> 371

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ngccttaaca aagtgggaca ttggccttca aaggggncct catgggaaca 100
tcntgttttg cgggggacang cacaatggtc aagggcttcc ctaaccgttt 150
gcanaagnag ttaancagca tgtgtcccaa tgnccccgcg aggtaaacgt 200
gctgcctgaa anagccagtc cgtgtggacc ggggctccat cctggcctca 250
ttcagggttt ccaaccattg tgggtccacc gctttgagta cgaggaacac 300
gggcctttct tcctctacag aaggtgttnt gaacggcgac aactttggcg 350
tcgtgagatt cttgtgaggc gtctgcctgg aagccggcag caatttttgc 400
ttctttaaag agaaaaagaa ggctagggac tcagattcct ggattctgag 450
atccagacca gtcctccca gacctntcca gaagaagcca tgggaacccc 500
tcgtatccag catttgctga tcctcctggc cctaggagcc tcctcctga 550
cctcgggcct agagctgtat tgtcaaaagg gtctgtccat gactgtggaa 600
gcagatccag ccaatatgtt taactggacc acagaggaag tggagacttg 650
tgacaaaggg gcactttgcc aggaaaccat actaataatt aa 692

<210> 372

<211> 399

<212> DNA

<213> Homo Sapien

<400> 372

gtgcgcataa agaggaggcg cttgccttca gcttgtggga aatcccgaag 50
atggccaaag caactcaact gttcgttgc tccagggcct gctgattttt 100
ggaaatgtga ttattggttg ttgcggcatt gccctgactg cggagtgcac 150
cttcttttga tctgaccaac acagcctcta cccactgctt gaagccaccg 200
acaacgatga catctatggg gctgcctgga tcggcatatt tgtgggcac 250
tgccctcttct gcctgtctgt tctaggcatt gtaggcatca tgaagtccag 300
caggaaaatt cttctggcgt atttcattct gatgtttata gtatatgcct 350
ttgaagtggc atcttgtatc acagcagcaa cacaacgaga ctttttcac 399

<210> 373
 <211> 567
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 19, 53, 78, 122, 286, 419, 449
 <223> unknown base

<400> 373
 tttaaggatg ttgccatgna ccatgttttt tcaaatttgc ttttcatttg 50
 ggnccgtttt ggagtcatttg accgctanga tggttttcgt cgtctgggaa 100
 cttgatcaga ctttgaagat tntaaatttg gaagatcagg gtgcactttt 150
 gagtgatgat gaaatatttg tagccgccaa attgggaaac atacctgcat 200
 ggccttgctc aaatactttg aggcacacct ggccattaaa ttggaacaag 250
 tgaagcagtc acttcagagg actgaggggtg gcattnttgt ccaccacaaa 300
 cccccgtaca aggcatgctc atatactcat gaacagattg tggaaatgat 350
 ggaatttttg atagaatatg gccacagcga gctatatttg gaaccagctg 400
 aagttttcct caaactttnt tgtgtgcaac tcttggtgca gcttatttnt 450
 attgcctgca attggaagac ctattatgca aggaatgaca ctgtgcgctt 500
 tgctttggat gtcttggtta ttcttactgt ggtgccaaaa atccagctcc 550
 agttggcaga atcagtg 567

<210> 374
 <211> 299
 <212> DNA
 <213> Homo Sapien

<400> 374
 aaatttttta aaaaaactcc ttaataggcc cttttttttt ttaacctgaa 50
 agttgactac ctacctttca ggaaatatat attttttggg tttagctagg 100
 ttgactttct tctagaaatg gaaaagatgg caccctcggg accaaagtgc 150
 tgggactctg cactatgctt gtgtgtatgt gtgtgcctct gtcttgcctt 200
 cttatctccc agcagtgaga cattggacgt gtttgctcat gaagatgcag 250
 tatatggctt gtctgtgagc ccagtgaatg acaacatttt tgccagttc 299

<210> 375
 <211> 556
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 53, 55, 66, 111, 156, 188, 295, 517, 552
 <223> unknown base

<400> 375

tttttttggg aggaggaatg tncattcagg gagtagcttt ttgggaaaaa 50
 ttntntaggg ctacanacag tcatgggtga ctttctttct gctgtgaaaa 100
 ctcccagagt ntcttttaggg attttcccta aggtgaccac caggcacacc 150
 tcagnttttt tgaccagag cctgaaaact gttttcantg gggtccacca 200
 gtcccagcaa aatcctcttt gtatttattt tgctaagtta ttggggtttt 250
 gcttacatct catgattgat ataataccaa agttctatag ccttntcttg 300
 cagtatttgg atttgcttga aaccgggaaa actgttccca ttaggcttgt 350
 taatgtcaga gtgacactat tatgaatctt tctctccctt tcctcggcct 400
 gtttcttctc tctttctcct tcaaacttgc tctgcagcta aggaagggtga 450
 gtctactttc cctgaggctt tggggtcaga gtatatgttg tttggagaaa 500
 gagggcaatc aggactnttc tgggacccag atgagttctt cactagccct 550
 tntgaa 556

<210> 376
 <211> 499
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 38, 68, 191, 193, 196
 <223> unknown base

<400> 376
 aaatgttacc ctatcctcgg anaagggttt gaatcccnct gatgtgtgtg 50
 gatccatttt ggtggtgnca atgattctct cgtcctattt tattaacttc 100
 atctaccttg caagagcaca aaaaaacat gctaacttta actttggatg 150
 tgcaattaca ttctccttg ttgcaggagc attttttcca nanagntcca 200
 atcctggtta atccgaagcc aaagagagt tttcttcagc atatgactag 250
 aacattccat gacttgaag gaaatgcagt taaacgggac tctggaatat 300
 ggatcaatgg gtttgattat actggaattt ctcacataac cctcacatt 350
 cctgagatca atgatagtat ccgagctcac tgtgaggaga atgcacctct 400
 ttgtggtttt ccttggtatc ttccagtga ctttctgatc aggaaaaact 450
 ggtatcttcc tgccccagaa gtttctccaa gaaatcctcc tcatttccg 499

<210> 377
 <211> 612
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 61, 63, 173, 419, 475
 <223> unknown base

<400> 377
 ttgactggg tgtaagaata tgctgttcca gcagaccaag gatggcattg 50
 ggaaatctgc ntntggggta ggcacatctt catgggctat ttggaaagtg 100
 agacttgaaa ctacagaggc catcgatgat gaaggctggt tacactctgg 150
 ggatttgggc cagctggacg gtnntgggtt cctctatgtc accggccaca 200
 tcaaagaaat ccttatcact gctgggtggtg aaaatgtgcc cccattcct 250
 gttgagacct tgggtaagaa gaagatcccc atcattagta acgccatggt 300
 agtaggagat aaactgaagt ttctgagcat gttgctgacg ctgaagtgtg 350
 agatgaatca gatgagcggg gaacctctgg acaagctgaa cttcgaggcc 400
 atcaacttct gtcgggggnt gggcagccag gcattccaccg tgactgagat 450
 tgtgaagcag caagaccccc tggntacaa ggccatccag caaggcatca 500
 atgctgtgaa ccaggaagcc atgaacaatg cacagaggat tgaaaagtgg 550
 gtcattcttg agaaggactt ttccatctat ggtggagagc taggtccaat 600
 gatgaaactt aa 612

<210> 378
 <211> 282
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 194
 <223> unknown base

<400> 378
 gtggaggaag aagacattat acaaaacaaa tttagaaact gggatcatga 50
 gtggaaaaac aaaggcaaga agggctgcca tgtttttag acgttgctct 100
 gaagacgcca gcggtagcgc cagtggcaat gctttgttat cagaggacga 150
 aaatcctgat gcgaatgggg taactcgatc atggaagatt attntaagta 200
 caatgcttac actgactttt cttctttag gactcctaaa tcatcagtgg 250
 cttaaagaaa cagatgttcc tcagaaatcc ag 282

<210> 379
 <211> 680
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 24, 35, 71, 77, 173
 <223> unknown base

<400> 379
 agccaaaatc cttggccaaa ttngcattt ccaantccgg aggccaaagaa 50

aggaagaaag ttccccaggt ngaaaancaa acttggattt tcagcaatat 100
 ggatttatta atcaaagtgt gttaccattt gggcccttcc gggggatttt 150
 aagtactttt ccatacctag ctnttatata tactattatt ctcatggcag 200
 tagcaacttt tggttcaa atcccaaaac atgctcaaaa gtagaacatt 250
 ttgtttcaat attaggaaag tgctttgaat ccccttggac gacaaaagcg 300
 ttgtctgaga cagcatgca agactcagag gaaaacaagc agagaataac 350
 aggtgcccag actctaccaa agcatgtttc taccagcagt gatgaagga 400
 gccccagtg cagtacacca atgatcaata aaactggctt taaattttca 450
 gctgagaagc ctgtgattga agtcccagc atgacaatcc tggataaaaa 500
 ggatggagag caggccaaag ccctgtttga gaaagtgagg aagttccgtg 550
 cccatgtgga agatagtga ttgatctata aactctatgt ggtccaaaca 600
 gttatcaaaa cagccaagtt catttttatt ctctgctata cagcgaactt 650
 tgtcaacgca atcagctttg aacacgtctg 680

<210> 380
 <211> 660
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 25, 55, 96, 146, 162
 <223> unknown base

<400> 380
 cggatccttt aaaatccctg acctngaccc aagggtccgg taaaatcaat 50
 ttgtnttacc caaagaccaa tttttgacat atcttgaata ggatgnctat 100
 aaattatgac ttttaaattg ttgtaatttt tgtactatta tctganattt 150
 ttatTTTTat gnattttcgt aagtagttta gagatagtca cattttaaaa 200
 atctaagatc aagcaaatga agcttatttt tatgtattca tagtataaaa 250
 gccttcagta aataggtaat atttttgttt tattctagaa aacagtcctt 300
 tgaacacagt gagctggctt ttcacacatt gcagttgtta gtgtttactg 350
 ccccttgccat ttttaattatg aggctaaaga tgtttttgac accgcacatg 400
 tgtgttatgg ctcccttgat atgctctcga cagctctttg gctggctttt 450
 tcgcagagtt cgttttgaga aggttatctt tggcatttta acagtgatgt 500
 caatacaagg ttatgcaaac ctccgtaatc aatggagcat aataggagaa 550
 ttttaataatt tgccctcagga agaactttta cagtggatca aatacagtac 600
 cacatcagat gctgtctttg caggtgccat gcctacaatg gcaagcatca 650
 agctgtctac 660

<210> 381
<211> 652
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 35, 118, 136, 183, 281, 349
<223> unknown base

<400> 381
gaataagttg ggatttttna gcaaggattc caatntgatt cttaaaaaag 50
gagttagcca taaagccagt ggttttaatt agattcagat ttgattttta 100
aattttacgg gtttcagntt cagggaatgc taccncaaa atgagatttc 150
attactatat accagtgaat tttctactct canattttct gtaatgtcat 200
ttttcatagt taggttttag aaagtatcta atcaggttgt gatggtcaaa 250
taaaggggtc aaacacattt ctattttctg nttcaataaa tattttttat 300
attgcttatt cttatctatc ttacctaata ttcttcctat ctttttcgnt 350
aactttcttt ttttttattt tcttctaata aagattctgc tttcttcata 400
taaacctgtc ccaaaaacct atgtaccaa acttggcaag ggtgatgtaa 450
aggataagtt tgaagccatg cagagagcca gggaagaaag aaatcaaagg 500
agatctagag acgaaaaaca aagaagaaa gaacaatata ttagagagag 550
agaatggaac aggagaaagc aggaggttat tttattttac tttattctcg 600
tgaaaatatt tgtttgcatt ttttcattta aattgtattt attcacatta 650
ac 652

<210> 382
<211> 397
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 345
<223> unknown base

<400> 382
gtccatggag ctggtggtca aggtggacag gggcgggtgt gatggcgag 50
tttgacactg aataccagcg cctagaggcc tcctatagtg attcaccccc 100
aggggaggag gacctgttgg tgcacgtcgc cgaggggagc aagtcacctt 150
ggcaccatat tgaaaacctt gacctcttct tctctcgagt ttataatctg 200
caccagaaga atggcttcac atgtatgctc atcggggaga tctttgagct 250
catgcagttc ctctttgtgg ttgccttcac taccttcctg gtcagctgcg 300
tggaactatga catcctattt gccacaaga tggatgaacca cagtnttcac 350

cctactgaac ccgtcaaggt cactctgcc aacgcctttt tgccctgc 397

<210> 383

<211> 573

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 38, 85, 121, 432

<223> unknown base

<400> 383

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gaataagggtt ggccttgtgc aaagtcccca aggcntgaca ttagtttgct 100
ggcaaggcaa ttgattcctc ntttcaacat cgcttatgca gctttctggt 150
cttcggtaat ctatgaattt ttggatcgtg tcatcaaag tccattgggt 200
ccttcttctc ggtgagtgtc ctgctgatca acgttctgaa agtgagccca 250
ttcaacaacg gtcaactggg catgggatct ttcgtcaaga atgagttttc 300
ggccccctcc taccttatgg gctataataa atccttgagt gtggtggcaa 350
ccacaacttt tctgactggg attattcagc taataatggg cgtattgggt 400
ttgggcttca ttgccactta ccttccggag tntgcaatga gtgcttacct 450
ggctgctgtg gcacttcata tcatgctgtc ccagctgact ttcattcttg 500
ggattatgat tagtttccat gccgggtccc tctccttctt ctatgacata 550
attaattact gtgtagctct ccc 573

<210> 384

<211> 561

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 21, 40, 73, 120, 487

<223> unknown base

<400> 384

tgtttatgtc acctaccttc ncctttttta gttttgtccn agcaaacctt 50
gcagaatttt agatgaacat ggnaaaaatg ttacaatctg tgggcctgac 100
tttgggtcaag acctgtacan agatgaaaac ttggtgacta tactggggac 150
cagcttctta atcggtatgta tcttgtattc atgtttgaca tcaacaacaa 200
gatcgagttc tgacgctctg caggggcat acgcagctcc tgaattggag 250
atagctcgtc gttgtttttg cttcagtcct ggtggagagg aactgaaga 300
gcagcagccg ggggaaggagg gaccacgggt catttatgac gagaagaaa 350
gcaccgtcta catctactcc tacttccact tcgtgttctt cctagcttcc 400

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ctgtatgtga tgatgacogt caccaactgg ttcaactacg aaagtgccaa 450
catcgagagc ttcttcagcg ggagctggtc catcttnttg gtcaagatgg 500
cctcctgctg gatatgcgtg ctgttgtagc tgtgtacgct ggtcgtccc 550
ctctgctgcc c 561

<210> 385
<211> 562
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 18, 77
<223> unknown base

<400> 385
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cacttaatga cattcagcca acttacngaa tcttgaaacc atgggtggaat 100
gtgtttatgg attacctagc tgttggtatg ttaatggtag ccatctttgc 150
aggaaccatg caactttacc aaagatcagg tgggtctgttt gccagtattg 200
ccatctcctg taaattcaaa ggcacatata ccaccaggaa atgccgaggt 250
caccaccaac atcccaaaga tggaagcagc caccaaccaa gaccaagatg 300
ggcggacaac aaacgacatt tcctttggga catctgctgt gacacctgac 350
atacctctca gagccacata tctcgcaca gatttcgcac ttccaaatca 400
ggaggcaaag aaagagaaga aagatccaac aggtcgaaaa acaaacttgg 450
attttcagca atatgtattt attaatcaaa tgtgttacca tctggccctt 500
ccgtgggtatt ctaagtactt tccataccta gctcttatac atactattat 550
tctcatggtc ag 562

<210> 386
<211> 265
<212> DNA
<213> Homo Sapien

<400> 386
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tttgttcttc ctgttaagtg gtgtactggg gatgaccgga agcatggcct 100
tgattgtttt ggattgggta cacaatgcac ctggagggtg ccattaattg 150
gcaccactca aactcaaact cagtccatct gatgccagtg ttgagtaaac 200
tcaactacta tgaaatttca cctaagtgtt tcagtttcac ttctttttga 250
agtgcagatt cctcg 265

<210> 387
<211> 457

```

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 33, 50, 75, 92, 124, 173, 177, 218, 223, 235, 247, 285, 290,
      325, 437
<223> unknown base

<400> 387
tggaatttaaat ggggggaaag ggcggaanaan ggncaaggat ccaaactggn 50
gaatttggtg attttcgggt cccnttccgc tttccggccg gncagcgctg 100
ccaagggtat atttcctttt ttngatcct gcaacaagcc tctttaaact 150
gtttaaatga gaatgtcctt ggntcanaga gtactactca cctggctttt 200
cacactactc ttcttganca tgntggtgtt gaaanggatg agaaagncct 250
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ttgtcctgct gattgtgaaa atggntgggc ggtgtaagtc tggctttgac 350
cctcgacatg gatcacacaa tattaataaa aaagcctggt acctcattgc 400
aatgttactt aaattagcct ttgacctgc actctgnggt aaactggaac 450
agtttac 457

<210> 388
<211> 617
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 55, 80, 88, 107, 161, 181, 198, 203, 219, 233, 259, 272
<223> unknown base

<400> 388
gttaggtgat ccagggttttg ggggtttttgc aacccttggg gtcattgggc 50
ccttnaaatt aatcttcggg gggggtcctn gccatggnca gccaaacatt 100
tttgggnaca taccatttgg ttctgtaatc ggggcgtttt cagtttcctg 150
tgtaaagggc ntgggcattg ctatcaagga nctgtttgca gggaagcntg 200
tgntgcggca tcccctggnt tggattctgc tgntgagcct catcgtctgt 250
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ttccattgtg actccaatat attatgattc tttaacaacat cagttttaac 350
ttgttcagct attcttttta aggagtggca agatatgcct gttgacgatg 400
tcattggtac tttagtggtc ttctttacaa tcattgtggg gatattcctg 450
ttgcatgcct ttaaagacgt cagctttagt ctagcaagtc tgacctgtgtc 500
ttttcgaaaa gacgagaaag caatgaatgg caatctctct aatatgtatg 550
aagttcttaa taataatgaa gaaagcttaa cctgtggaat cgaacaacac 600

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actggtgaaa atgtctc 617

<210> 389

<211> 365

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 20, 44, 50, 96, 107, 180, 185, 211, 289

<223> unknown base

<400> 389

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tgccacttaa ataaacatca ggatcagaga ttccaagagg acaatntgca 100
tcaagtnttc accaagtgtt ttttaagcga aataatgaaa tagggagcag 150
aatatgcctg ttgcccataag aaacgaggtn tattnttgtc ctcaattagg 200
cttttttttt ntccatagtt acaccagaac taaagtaaaa gtgggtttttc 250
tggtctttct acttctcccc atgaaatggg catatcatnt caacacttca 300
ctccaagtcg ccacgggcaa ccttatgacc ctaggtcctc caccctaata 350
gtatcatcat tgcca 365

<210> 390

<211> 442

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 209, 233

<223> unknown base

<400> 390

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attttccagg agtgggttct tgggcagtgg ctgtggagca ggaatggcgc 100
agtagagggg tactgtttct cggccgcctt gagctgtacc tttttagtgt 150
cctgcctcct tttctccgcc ttcagccggg cgctgcgaga gccctacatg 200
gacgagatnt tccacctgcc tcaggcgcag cgntactgtg agggccattt 250
ctccctttcc cagtgggatc ccatgattac tacattacct ggcttgtagc 300
tggtgtcagt tggagtgggc aaacctgcc tttggatctt tggatgggtc 350
gaacatgttg tctgctccat tgggatgctc agatttggtt atcttctctt 400
cagtgttggc aacttctatt tactatattt gcttttccac aa 442

<210> 391

<211> 587

<212> DNA

<213> Homo Sapien

<220>
<221> unsure
<222> 74, 103, 117
<223> unknown base

<400> 391
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taaatttggg ggggttaaaa aaanaaaact taactttata aaattattta 100
ttntatttta agccttntat catattttcc ccatccaatt gtttggtttc 150
agtgggccag cttttattta caggcatata aaagaaattg tgagatgttt 200
tgcaagcttt tttttacttt gagagctttt aatttgtatg tttttatgtg 250
gatgaagagc attttttatg tttttgtgca ataggttcca atatgcattt 300
attagacatc tgtttaaatg gtaatgtagc atttattttg cttaaattgaa 350
agggaacata gatggaattc caaaatatgt acattcagct gtttggtttt 400
tcgtttttca ttgttattat tgtgagaatg ctgttattgg gggtgtgtgt 450
gagtgcctgt cagccagtga tgctcggggc cacgctgtgg ggccacctca 500
gtcctgctgg gtccctgggtgc cttggacccc acgtgcttgt ggccaggctg 550
cccctgggcg gggccatgtg gcctcagacc acaagag 587

<210> 392
<211> 444
<212> DNA
<213> Homo Sapien

<400> 392
cgtctccagt ctacctccga gagattagct gaaacacaga atatagcgcc 50
atcattcgtg aaggggtttc ttttgcgga cagaggatca gatggtgaga 100
gtttggacaa actcatgaaa accaaaaata tacctgaagc tcaccaagat 150
gcatttaaaa ctgggttttgc ggaagggttt ctgaaagctc aagcactcac 200
acaaaaaacc aatgattccc taaggcgaac ccgtctgatt ctcttcgttc 250
tgctgctatt cggcatttat ggacttctaa aaaaccatt tttatctgtc 300
cgcttccgga caacaacagg gcttgattct gcagtagatc ctgtccagat 350
gaaaaatgtc acctttgaac atgttaaagg ggtggaggaa gctaaacaag 400
aattacagga agttgttgaa ttcttgaaaa atcccgaacc cctt 444

<210> 393
<211> 284
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 95, 109, 186, 244
<223> unknown base

<400> 393
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 gaagcgtcna cagttagtca gaaagataca tgaagatgaa ttgaatgata 150
 tgaaggatta tctttcccag tgtcaacagg aacaanaatc ttttatagat 200
 tataagtcac tgaaagaaaa tcttgcaagg tgttggacac ctantgaagc 250
 agagaagatg tcctttgaaa ctcaggaacc cctt 284

<210> 394
 <211> 481
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 47, 94, 130, 192
 <223> unknown base

<400> 394
 gcagtgggtg atcataggca ctaaccctca aactcctgaa gttcaanaga 50
 ttgtcccatg tcagcctccc aagtagctgg gactatagac agnggccatc 100
 atgcccagct aattatTTTT ttaattttan agaagagtct tgctagggtc 150
 cccaggctgg tctcgaactc ctgacctcaa ataactctcc cncctcaac 200
 ctctgaagta gctgcaatga cagggtgcaag cccactgtgt ttggctagag 250
 tctcatgttt ttctaattcc aaaaaagttc cataatgatt ttgattcaga 300
 ttgtattgag ttacacatt aatttaagaa gtgacatctt cataatacta 350
 actttcccca aaaagaaaca gggatatgttt ttccatttat atgagtgggg 400
 ttttttttgt tttgttttta cgtttttag ttttcttcat ataggttttg 450
 ccagagggtc ccaaactttc ttggttcatg g 481

<210> 395
 <211> 508
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 69, 473
 <223> unknown base

<400> 395
 agcatgggaa aggtaggaac cnagggaaag gggccccccg agcgcaaggt 50
 gtcggtgccc accttcagnt ggaggagatt caaaagcata acctgcgcac 100
 cgacagggtg ctggtcattg accgcaaggt ttacaacatc accaaatgg 150
 ccatccagca cccggggggc cagcgggtca tcgggcacta cgctggagaa 200
 gatgcaacgg atgccttcg cgccttcac cctgacctgg aattcgtggg 250

caagttcttg aaacccctgc tgattggtga actggccccg gaggagccca 300
gccaggacca cggcaagaac tcaaagatca ctgaggactt ccgggccctg 350
aggaagacgg ctgaggacat gaacctgttc aagaccaacc acgtgttctt 400
cctcctcctc ctggcccaca tcctcgccct ggagagcatt gcatggttca 450
ctgtctttta ctttggaat ggntggattc ctaccctcat cacggccttt 500
gtccttgc 508

<210> 396
<211> 519
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 38, 50, 74, 160
<223> unknown base

<400> 396
aatgtacaa cagtcctta atggttgccn caatggcntg aaatccaagn 50
attacagact tttgtgataa ggtnaagctt ggggcacgt cctagaaacg 100
gtggccacaa gtggggttgt gacctcggtg gccttcatgc tcaactctcc 150
gatcctcgtn tgcaagggtc aggactccaa caggcgaaaa atgctgccta 200
ctcagtttct cttcctcctg ggtgtgttgg gcctctttgg cctcaccttc 250
gccttcatca tgggactgga cgggagcaca gggccacac gcttcttctt 300
ctttgggatc ctcttttcca tctgcttctc ctgcctgctg gctcatgctg 350
tcagtctgac caagctcgtc cgggggagga agcccccttc cctgttggtg 400
attctgggtc tggccgtggg cttcagccta gtccaggatg ttatcgctat 450
tgaatatatt gtctgacca tgaataggac caacgtcaat gtcttttctg 500
agctttccgc tcctcgctg 519

<210> 397
<211> 526
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 96
<223> unknown base

<400> 397
gacctcgacc ccagggtccg gttntacttt gtctgcctg ctgctggggt 50
ccctgggtct atgtgcatcc tcttcactat ctactggatg cagtantggt 100
gtggggcttt gcctggaatg gcagcattta catgttcaac tggcaccacg 150
tgcttatggt tgctggcatg gtggtattct atggaggtgc gtcactggtg 200

taccgcctgc cccagtcgtg ggtggggccc aaactgccct ggaaactcct 250
ccatgcagcg ctgcacctga tggccttcgt cctcactgtt gtggggctgg 300
ttgtgtctt tacgtttcac aacctggaa ggactgccaa cctctactcc 350
cttcacagct ggctgggcat caccactgtc ttcctcttcg cctgccagt 400
gttcctgggc tttgtgtct tctcctgcc ctgggcgtcc atgtggctgc 450
gcagcctcct aaaacctatc cactgtttt ttggagccgc catcctctct 500
ctgtccatcg catccgtcat ttccgg 526

<210> 398
<211> 773
<212> DNA
<213> Homo Sapien

<400> 398
agaggagctg ccggtgcctc ctcagaacat ctctgatcg ctaccagga 50
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ccccaggccc agacccccac tctgccacag gttgcatctt gacctgggtc 150
tcctgcagaa gtggcccctg tggctctgct ctgagactcg tccctgggcg 200
cccctgcagc cctttctat gactccatct ggatttggct ggctgtgggg 250
acgcggtccg aggggcggcc tggctctcag cgtgggtggca gccagctctc 300
tgccaccat ggcaaagtct gagatctgag gggacaaggc tctacagcct 350
cagccagggg cactcagctg ttgcaggggtg tgatggagaa caaactatgt 400
acctacacac cgtcagcgac tgtgacacca gctccatctg tgaggattcc 450
tttgatggca ggagcctgtc caagctgaac ctgtgtgagg atggtccatg 500
tcacaaacgg cgggcaagca tctgctgtac ccagctgggg tccctgtcgg 550
ccctgaagca tgctgtcctg gggctctacc tgctgggtctt cctgattctt 600
gtgggcatct tcatcttagc agtgtccagg ccgcgcagct cccctgacga 650
cctgaaggcc ctgactcgca atgtgaaccg gctgaatgag agcttccggg 700
acttgagct gcggctgctg caggctccgc tgcaagcgga cctgacggag 750
caggtgtgga aggtgcagga cgc 773

<210> 399
<211> 546
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 20, 74, 80, 159
<223> unknown base

<400> 399

atcctggact tgaccaggn gtccgttgat tggaaccggt ggtcggcaaa 50
acaagtccgc tgggcagcag gagnagcagn aggattatta aataacgcag 100
ttggactctg gcaactggga gtgaagagga gcccacagc cgagaagggg 150
aggaggcana ggaggggggac cagaaggaca ccccggtgcc ccgaagacat 200
aaatccctga gtgcccggga ggagccttaa caagcgcacg gagccctcaa 250
ggtgcaaagt tggctttcac agtgcaagcc tttgattccc aatgggggac 300
tcaggatcaa gacgatctac cctgggtctcc cggttgcaa tattcagaag 350
aagtattaac agaagacatg attctcttcc ttcttcacct tcttcagta 400
atacagttgg tgtccacagt tcctctcctt ccagcactaa ctcaagctca 450
ggtagcacag gtaaaccgag gagcatattc cgtactcctt ccattagctt 500
ccaccataag aaggggagtg agcctaagca agagcctacc aaccag 546

<210> 400
<211> 562
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 26
<223> unknown base

<400> 400
ggcttccctc gcgccccacc gncctnttcc ggaaggcggc tccctccctg 50
cgcagcccg agccctgag atcagcctcg agcaggcgcc cgagcgagac 100
tatccctaaa cgggaacggc ggtggccgac tcgcgagtga ggaaaagaag 150
gaaagggcag actggtcgag aagagaagat ccaggcctca gaggaggaga 200
aaggccggag ccagccgagc tgtcacgacc ggagggggga ctgcgagcct 250
taccaggggg gtgatgtttt acaggcactt aagtattcat cgaagagtca 300
ccccagtagc ggtgatcaca gacatgaaa gatgcgagac gccggagatc 350
cttcaccacc aaataaaatg ttgcggagat ctgatagtcc tgaaaacaaa 400
tacagtgaca gcacaggtca cagtaaggcc aaaaatgtgc atactcacag 450
agttagagag agggatggtg ggaccagtta ctctccacaa gaaaattcac 500
acaaccacag tgctcttcat agttcaaatt cacattcttc taatccaagc 550
aataacccaa gc 562

<210> 401
<211> 536
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 21, 99, 114
<223> unknown base

<400> 401
taacaaccac agaaactgga ntagtgggtcc tacagtagct gcagctgata 50
ccactgaaac taatttccct gaaactgcta gcaccacagc aaatacacnt 100
tctttcccaa cagntacttc acctgctccc ccataatta gacacatagt 150
tcctccacaa ttcctacacc tgctccccc ataattagta cacatagttc 200
ctccacaatt cctataccta ctgctgcaga cagtgagtca accacaaatg 250
taaattcatt agctacctct gacataatca ccgcttcac tcctaatgat 300
ggattaatca caatgggtcc ttctgaaaca caaagtaaca atgaaatgtc 350
ccccaccaca gaagacaatc aatcatcagg gcctcccact ggcaccgctt 400
tattggagac cagcacccta aacagcacag gtcccagcaa tccttgccaa 450
gatgatccct gtgcagataa ttcgttatgt gttaagctgc ataatacaag 500
ttttgacctg tgtttagaag ggtattacta caactc 536

<210> 402
<211> 470
<212> DNA
<213> Homo Sapien

<400> 402
ccacagtatg gaagaatatc cctgacttct agccctgtgc gccttctttt 50
gtttctgctg ttgctactaa tagccttggg gatcatgggt ggtgggtcact 100
ctctttgctt caacttcact ataaaaatcat tgtccagacc tggacagccc 150
tggtgtgaag cgcaggctct cttgaataaa aatcttttcc ttcagtacaa 200
cagtgacaac aacatgggtc aacctctggg cctcctgggg aagaaggtaa 250
atgccaccag cacttgggga gaattgaccc aaacgctggg agaagtgggg 300
cgagacctca ggatgctcct ttgtgacatc aaaccccaga taaagaccag 350
tgatccttcc actctgcaag tcgagatgtt ttgtcaacgt gaagcagaac 400
ggtgcactgg tgcactctgg cagttcgcca ccaatggaga gaaatccctc 450
ctctttgacg caatgaacat 470

<210> 403
<211> 509
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 29, 39, 124
<223> unknown base

<400> 403
gtcgggtggg acggccgctc cctgcaggng agttcgtgna cgacgacgtg 50

tgggcatcg tgaacaaacc ccgacgtgcg ggccccggcg cccgctccgt 100
 tggggcatct tcaccaacga cttntggggc aagggcatgg ccgagaacac 150
 cagccacaag tcctaccgcc gctttgctc ctcaccttca agctaaacat 200
 atttttgact ggtatgaacc cattctactt tcatgcagta aatataattt 250
 tacactgctt agtgactctt gtgctgatgt acacctgtga taaaactgtc 300
 ttcaagaatc gtggacttgc ttttgtaacg gcattgcttt ttgctgtaca 350
 tcctattcat actgaggcgg tggctgggat cgttggcaga ggggacgtgt 400
 tagcgtgtct gctgtttcta ttggcctttc tctcgtacaa caggagtctg 450
 gatcagggct gtgttggggg aagtttccct tccacgggtg ctccttctt 500
 cttgctgct 509

<210> 404
 <211> 400
 <212> DNA
 <213> Homo Sapien

<400> 404
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 tgtcttgctc acatcgtaaa tgactttctc tccgaaacgc taaatattct 100
 ttcccgcagg agctcatatc cttattttcc atgacagatc ttaacggaca 150
 atatatgcaa aagatatata aagatgataa ctaatatagt tatactgagc 200
 ctgatcattt gcatttcgtt agctttctgg attatatcaa tgactgcaag 250
 cacctattat ggtaacttac gacctatttc tccgtggcgt tggctgtttt 300
 ctgttgttgt tcctgttctg atcgtctcta atggccttaa aaagaaaagt 350
 ctagatcaca gtggggctct aggagggcta gtcgttggat ttatcctaac 400

<210> 405
 <211> 370
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 27, 36, 118, 138, 163, 179
 <223> unknown base

<400> 405
 aatgccccca agttaaatat ctcctcnacc tttaacntaag ttgctccttt 50
 atttttattt tattattatt attattatta ttattttttg agatggagtc 100
 tcaacttgta acccaggntg gaatgcaatg gcatgatntc agctcactgc 150
 aacctccgcc tcntgggttc aagcaagtnt cctgcctcag cctccgagta 200
 gctgggacta cagggtgcaag ccaccacgcc tggctaattt tttgtatttt 250

agtagagacg gggtttcacc gtgttgccca ggctggtcgc gaactcctga 300
gctcaggcaa tccgcccacc tcagcctccc aaagtgttgg gattacaggc 350
atgagccacc atgcccagct 370

<210> 406
<211> 473
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 72
<223> unknown base

<400> 406
gggcttgaaa atctaaatac tttgaaatta gaataatatc ttgtgtttta 50
gagctttaaa ttttcaaata tntgctgtcc acacacccca ttggaggagg 100
acctgtgtca ctaacccaaa tttgtagctg agaaaacaga ggagagagaga 150
ggttaagtaa aaaaccccaa gagagttcac ctaatatattgt gaagaaagca 200
aaccagggt ttcactaact tgtccatgtg tgtatgtgtg tggtgcggtt 250
caccctgtg tgtgtgtgta ctgtgtgcat gcctgtgtgt ttgtgcacac 300
ccatgtgtat gtacctgcat acacacccaa gtgtgtgtgt taccacaacg 350
aaagcgcaga tttattgaaa agaaagtgc cccacagag tgggagcagg 400
ctagagccag tggctcagga gcctgggtac agcattttct ggagtttaag 450
tgccctccag agttttccca ttg 473

<210> 407
<211> 539
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 35, 51, 98
<223> unknown base

<400> 407
cagccaggcc agagagggag ccgagccagg ccatntccaa ccatgtccga 50
ngaggcctcg gccatcactt cctacgagaa gtttcttaac ccccgagnag 100
cccttccac tcctgggacc ttctctcgcg gggggcacct gcccgagcaa 150
ggagccgggc tgcttgaca tcaagcgact tcgggtgcca gctgtcctcc 200
tgccatcgca ccgaccgct ccaccgctc cacaccaaca ggtggaacct 250
aacttcttgt ggaacaagtg ttgccagctc agaaggcagt gaggagctgt 300
tttcatctgt gtctgttga gatcaagatg attgctattc cctgttagat 350
gatcaggact tcacttcttt tgattttatt cctgagggga gtgtctgcag 400

tgatgtctct tcttctatta gcacttactg ggattgggtca gatagcgagt 450
 ttgaatggca gttaccaggc agtgacattg ccagtgggag tgatgtactt 500
 tctgatgtca taccaggtat tccaagttca ccttgcttg 539

<210> 408
 <211> 545
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 18, 55, 93, 146
 <223> unknown base

<400> 408
 tcaaaaaggt tgcattcntt ttgcataaac agggacttta tatagttaac 50
 tcccnttata taaattctcc tatagtaatc tcaaagagta ttntagactt 100
 ctcaatgctt tttattgttg ctgaaaagca aaaagacttg ctgtgnaagt 150
 ggagaagact tcaacatcaa agtgattttt tctactctcc taggaatgaa 200
 aggaacacaa agggacccgg aagcattttct tgtccagatt gtgtcaaaat 250
 ctcaattgcc atctgagaat agagaaggta aagtgtgtgt gactggctgg 300
 ttctgtgtgt tatttgaggaga cagtcttctg gagactgttt cagaagattt 350
 cacctgtctg cccttattcc ttgcaaatgg agcagagtct aacacagcaa 400
 taattggaac ttggtttcag aaaacctttg actgttattt cagtccttta 450
 gcaatcaatg catttaatct ttctggatg gctgccatgt ggactgcatg 500
 caaaatggac cattatgtgg ctactactga atttcttttg tctgt 545

<210> 409
 <211> 585
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 45, 77, 118, 121, 203
 <223> unknown base

<400> 409
 gacatttatt tttcatccat tgcaacccat tgccataaga acatncccat 50
 ggccttgaag cgcttcacag cagcatngtg gaatgcagaa ttggagccaa 100
 gcaattttca aagcaagntt nctgaaaatg aaaaaaata cttatattga 150
 aaaacttttt gagcgttatg gtgaaaatgg aagattatcc ttttttggtt 200
 tgnagaaact ttaacaaaac ttgggccttg gagagagaaa agtagttgag 250
 attaatcatg aggatcttgg ccacgatcat gtttctcatt tagatatttt 300
 ggcagttcaa gagggaaagc attttctctc acataaccac cagcattccc 350

ataatcattt aaattcagaa aatcaaactg tgaccagtgt atccacaaaa 400
 agaaaccata aatgtgatcc agagaaagag acagttgaag tgtctgtaaa 450
 atctgatgat aaacatatgc atgaocataa tcaccgccta cgtcatcacc 500
 atcgtttgca tcatcatctt gatcataaca acactcacca ttttcataat 550
 gattccatta ctcccagtga gcgtggagcg gccgc 585

<210> 410

<211> 446

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 45, 56, 67, 221, 289, 446

<223> unknown base

<400> 410

tacctattcc caggtttaat gttgattatt tatatttgaa aaaanttgat 50
 ttgtanaaac tgggtanatt actttcaaat taatcattta ttcctaattg 100
 accagggatg agtgagatgt ttatttagaa aacaaataat tttagatagg 150
 aaaattgaat ctttaaaaaa taatggtgat ttaatataac aatgtgtggt 200
 ttttgtgtgt atgtgtgtaa nattggagca tccaggagtg tgcggtgtgt 250
 atatgacctt atttttctac tgtatcttag aggttgcenc ttccatgggt 300
 ataaaactta attggatttc tcgattttta ttttgtttat gcacttttac 350
 aacttatgtc attttagggt gtttattaat gccagttttg tataataaaa 400
 ttattagaga agttatgaag gaggatggca tgagtggggc ggccgn 446

<210> 411

<211> 525

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 67, 95

<223> unknown base

<400> 411

acgcagagcg ttttcatttt ccacgggtct gtccttgtca aagcacaccc 50
 ctcggtgtcc aggttcntca tgggcaagtg ctcggggtga caaanaaggc 100
 gacattgact acagcacctg gtcctcggc atgctggtga cgcaggacgt 150
 gcagctcggg cttttcatgg ctgtcatgcc gactctcata caggcgggca 200
 ccagtgcac ttctagcatt gtcgtggaag ttctccgaat cctgggtttg 250
 attggtcaga ttcttttttc actagcggcg gtttttcttt tatgtcttgt 300
 tataaagaag tatctcattg gaccctatta tcggaagctg cacatggaaa 350

gcaaggggaa caaagaaatc ctgatcttgg gaatatctgc ctttatcttc 400
 ttaatgttaa cggtcacgga gctgctggac gtctccatgg agctgggctg 450
 tttcctggct ggagcgctcg tctcctctca gggccccgtg gtcaccgagg 500
 agatcgccac ctccatcgaa ccccc 525

<210> 412
 <211> 457
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 27, 37, 114, 213
 <223> unknown base

<400> 412
 cagttttttt atagtgaata ccaaaaancat cagcaancac tggactgtca 50
 acccaaggct tattgatatt tgcggagttg atttctgcga ttaagagacg 100
 ttggctcgcc ttntcgtga tcattgtgag cctgggctat ggcattgtga 150
 agcctcgttt aggaacagtc atgcaccggg tgatcggact ggggcttcta 200
 tacttaatct ttncagctgt tgaaggcgtg atgagagtca ttgggggttc 250
 taaccattta gctgttggtc ttgatgacat tatttttagca gttattgact 300
 ccatttttgt gtggttcatt tttattagtt tggcaciaaac tatgaagacc 350
 ctaaggctaa gaaagaacac tgtgaaatct tcattatata gacattttta 400
 aaatactctg atctttgctg tgctggcttc tatagtgttt atgggggtggg 450
 cggccgc 457

<210> 413
 <211> 541
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 51, 54, 80
 <223> unknown base

<400> 413
 acgtggctctg cctgttattg gaaagatata ttaagatcca gttctggatt 50
 ncanctgttt attttttttg gaaatgcttn aaaaagcagt ttttttatag 100
 tgaataccaa aacatcagca aactggact gtcaacccaa ggcttattga 150
 tatttgcgga gttgatttct gcgattaaga ggacgttggc tcgccttctc 200
 gtgatcattg tgagcctggg ctatggcatt gtgaagcctc gtttaggaac 250
 agtcatgcac cgggtgatcg gactggggct tctatactta atctttgcag 300
 ctgttgaaagg cgtgatgaga gtcattgggg gttctaacca tttagctgtt 350

gttcttgatg acattatattt agcagttatt gactccattt ttgtgtgggt 400
catttttatt agtttggcac aaactatgaa gaccctaagg ctaagaaaga 450
acactgtgaa attttcatta tatagacatt ttaaaaatac tctgatcttt 500
gctgtgctgg cttctatagt gtttatgggg tgggcggccg c 541

<210> 414
<211> 523
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 20, 172
<223> unknown base

<400> 414
accggcccggt gagccggccn tgcgccggca ggtcgccggga catactgtgg 50
cgcgttttgg gctggaggat agttgcaagt attgtttgggt cagtgtctatt 100
tctaccatc tgcaccacag tatttataat ttccagcagg attgatttgt 150
ttcatcctat acagtggctg tntgattctt tcagtgcact gtatagttcc 200
tatgtaatct ttacttcct gctgctgtca gtggaataa taataataag 250
tattttcaat gtggagttct atgcagttgt gccttctatt ccttgcctca 300
gactagctct gatagggaag atcattcatc ctcagcaact catgcactca 350
tttattcatg ctgcaatggg aatgggtgat gcctgggtgtg ctgcagtgat 400
aaccaggggc cagtacagct ttcttgtggt tcctgcact ggtactaaca 450
gctttggtag cctgctgctg caaacctgct taaatgaata tcactttttt 500
ttcctactga ctggagcggc cgc 523

<210> 415
<211> 544
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 2, 30, 40, 117
<223> unknown base

<400> 415
gnccacactg gccaaacggg gcatcatggn cacactgccn aaatagggcc 50
gccatgttgc agcaggatag taatgatgac cctgaagatg ttccactggt 100
tgatgcggaa gaggagncca ctaatagacc aaaaaagcca aaatcagaca 150
tccagtagca tcgtttttcc actttattct ttcgagtcag tgcaatcatc 200
gtctatcttc tctgtgagtt gctcagcagc agctttatta cctgtatggg 250
gacaattatc ttgttgttgt cgtgtgactt ttgggcagtg aagaatgtca 300

caggtagact aatggttggc ctacgttggg ggaatcacat tgatgaagat 350
 ggaaagagcc attgggtgtt tgaatctaga aaggagtcct ctcaagagaa 400
 taaaactgtg tcagaggctg aatcaagaat cttttggttg ggacttattg 450
 cctgtccagt actgtgggtg atatttgctt ttagtgcact cttctccttc 500
 agagtaaagt ggttggcggg ggttatcatg ggtgtggcgg ccgc 544

<210> 416

<211> 473

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 35, 46, 62, 69, 142, 185, 252

<223> unknown base

<400> 416

cagcagtcct tatgattatg gaggaagtg gaggnccctt atagcnaaac 50
 aggtatgctg gntatgacnt attcgagca aaggcagatt tgtccccctcc 100
 agacatgatg cagccacaac agccatacac cgggcagatt tnccagccaa 150
 ctcaggcata tactccagct tcacctcagc ctttntatgg aaacaacttt 200
 gaggatgagc cacctttatt agaagagtta ggtatccaat tttgaccaca 250
 tntggcaaaa aacactaaca gtattacatc cgttaaaaagt agcagatggc 300
 agcatcatga atgaaactga tttggcaggt ccaatggttt tttgccttgc 350
 ttttggagcc acattgctac tggctggcaa aatccagttt ggctatgtat 400
 acgggatcag tgcaattgga tgtctaggaa tgttttgttt attaaactta 450
 atgagtatga caggtgcggc cgc 473

<210> 417

<211> 417

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 31, 53, 80, 96, 110, 130, 227

<223> unknown base

<400> 417

taattgttta ttgggaaatg gaggattaag nacatttttc aatttgtgca 50
 tgnagaggaa gacctgaagg ttcagcatan tagctacaag acagangggc 100
 ccggctgttn aaggaccagc tctccctggn aatgtgcac tttcagatca 150
 caagatgtga aattgcagga tgcaggggtg taccgctgca tgatcaagct 200
 atggtggtgc cgactacaag cgaattnctg tgaaagtcaa tgccccatac 250
 aacaaaatca accaaagaat tttggttggt gatccagtca cctctgaaca 300

tgaactgaca tgtcaggctg aggggttacct caaggccgaa gtcattctgga 350
caagcagtga ccatcaagtc ctgagtggta agaccaccac caccaattcc 400
aaggagagag cgccgc 417

<210> 418
<211> 585
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 64, 67, 70, 78, 109, 152
<223> unknown base

<400> 418
agggtgctgt gtcgaaccc agtgggtggg gcgggtgctcc tcaagcttgt 50
gtgcctgcta accntcntgn gtccgggntg gcaagagtgt gggactttcc 100
ccctggcgnc cgtggacaac atgatgggtca gaaaagggga cacggcgggt 150
gnttaggtgt tatttgaaag atggagcttc aaaggggtgcc tggctgaacc 200
gggtcaagtat tatttttgcg ggaggtgata agtgggtcagt ggatcctcga 250
gtttcaattt caacattgaa taaaagggtac tacagcctcc agatacagaa 300
tgtagatgtg acagatgatg gcccatcac gtgttctgtt cagactcaac 350
atacaccag aacaatgcag gtgcattcaa ctgtgcaagt tctcctaag 400
atatatgaca tctcaaatga tatgaccgtc aatgaaggaa ccaacgtcac 450
tcttacttgt ttggccactg ggaaaccaga gccttccatt tcttggcgac 500
acatctcccc atcagcaaaa ccatttgaaa atggacaata tttggacatt 550
tatggaatta caagggacca ggctggggcg gccgc 585

<210> 419
<211> 575
<212> DNA
<213> Homo Sapien

<400> 419
taaactacac tcagtataca gtgatagtgg gatttgaaca cctgaagctc 50
cccatcaaag ggaatgaact tcacatgaag acttataacc ctgccttctc 100
ccgggttgga aatctgggtc cgggttttct ttgtgggtgt caccttcac 150
gtcacttgcc tgtttgcgca ttccctccgg aaattttcca tgagagactg 200
gggcatcgag cagaagtgga tgtctgttct cctgcctctg ctgctacttt 250
acaatgatcc gttcttcccc ctctccttcc tggtaacag ctggctccca 300
gggatgctgg atgacctctt tcagtcctatg ttctgtgctg ccctgctgct 350
cttctggctg tgcgtgtacc acgggattcg tgtccaggga gaaagaaagt 400
gtttaacttt ctatttgcct aaattcttca ttgttggaact attgtggttg 450

gcttctgtta cgctaggaat atggcaaaca gttaacgaat tacatgatcc 500
aatgtaccag tatcgagttg ataccggaaa ttttcaggga atgaaggtct 550
tcttcatggt gggggcagcg gccgc 575

<210> 420
<211> 572
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 90
<223> unknown base

<400> 420
gtgtctgtc gccctccgac gctgctcagg aatttgcaag aaactgaagt 50
tttgattcag atatatTTTg aattgaaacc agagatgtn tagagtttag 100
attctttcat ttgattaagg tatgggtctga atatgcgttg cttggcagct 150
cgggtcaact ataagacttt gattattatc tgcgcactct tcactttggt 200
cacagtactt ttgtggaata agtgttccag tgacaaagca atccagtttc 250
cacggcgttc gagtagtggc ttcagagtgg atgggtttga aaaaagagca 300
gcagcatctg agagtaacaa ctatatgaac cacgtggcca aacaacagtc 350
tgaggaagca ttcctcagg aacagcagaa agcaccctt gttgttggg 400
gcttcaatag caatgtggga agtaagggtg tagggctcaa atatgaagaa 450
attgactgtc tcataaatga tgaacacaca attaaaggga gacgagaggg 500
gaacgaagtc tttcttccat tcacttgggt tgagaaatat tttgatgttt 550
atggaaaggt ggtggcggcc gc 572

<210> 421
<211> 581
<212> DNA
<213> Homo Sapien

<400> 421
aggctcccgt gtctgtcgc cctccgacgc tgctcaggaa tttgacaaga 50
aactgaagtt ttgattcaga tatattttga attgaaacca gagatgttct 100
agagtttaga ttctttcatt tgattaagggt atgggtctgaa tatgcgttgc 150
ttggcagctc ggggtcaacta taaggctttg attattatct ggcactctt 200
cacttttggtc acagtacttt tgtggaataa gtgttccagt gacaaagcaa 250
tccagtttcc acggcgttcg agtagtggct tcagagtgga tgggtttgaa 300
aaaagagcag cagcatctga gagtaacaac tatatgaacc acgtggccaa 350
acaacagtct gaggaagcat tccctcagga acagcagaaa gcacccttg 400

ttgttggggg cttcaatagc aatgtgggaa gtaaggtgtt agggctcaaa 450
 tatgaagaaa ttgactgtct cataaatgat gaacacacaa ttaaaggag 500
 acgagagggg aacgaagtct ttcttccatt cacttgggtt gagaaatatt 550
 ttgatgttta tggaaagggtg ggggcggccg c 581

<210> 422
 <211> 264
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 17, 36, 139, 173, 224, 246
 <223> unknown base

<400> 422
 ttcttttttt tccccngca attttttcag tgaaanacat ggagtctttc 50
 atcttggaga gttgtcagag tcaagatttt gctgtttag ccagtgttt 100
 aaaacaattc acaaagactt tctaggagag gaagagagnc tgagggaga 150
 agagatacag aaaaagaaaa tgnccaggatt gaacctggaa actcacagaa 200
 tctctgactc atgctggaaa tgtntttggg tacctcttgc cttttntgtg 250
 ttggcggcgg ccgc 264

<210> 423
 <211> 601
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 31, 36, 78, 88, 207
 <223> unknown base

<400> 423
 tgaaaggacc cctagttccc ctggcaaagt nttttnttca atccccact 50
 tcattttcct taagagccat tccaagtntc ttcctttntc gataccccaa 100
 ccagctcaca tccactcaa ggggtgagat gccctcctca ccattgaaga 150
 gatcaagccc ccagggggga accagctcaa cttccccctc tgtctctccg 200
 aagagcntcc tgtttgaaaa ctcgaggcag ctgtaccccg tgcgaagtcc 250
 ttgctcccg tccccatgt cttccaggat tttccttcat agtggggatt 300
 actcgctaac ctttccctcc tcacctactt ccccttttcc ttcagctttc 350
 accgtgttta aatcttctaa taattctttt tatgacatct tgtttttcaa 400
 gctcttctcc agtgatccct ccacttctcc aatggccctt ttcactaaac 450
 ctccaaatct gtctttgctg acatttattg agctgctatt acatgttcta 500
 aatgctttac ttgtcgtatt taatcctaac aacaacctac aaggtaggcc 550

ttgctattat ctccatttta tagttgaaga aactgaggct gccgcggccg 600

c 601

<210> 424

<211> 573

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 68, 71, 78, 104, 106, 194, 237, 309, 319, 416, 462

<223> unknown base

<400> 424

tatcggcaca ttggcaaaga caacattcag gccaatggc ccacaaattg 50
gtccgcccac tgccattntg naaaaggntt cactgcaaat tacaaaagca 100
tcctnntatga aaagagattg gaaaggcctc tccaagcaac tggactggga 150
tgttcgaagc attcagcgtt gggtcgcaaa gacgcaatca gganaagccc 200
aagcacggct gacgagggtt tgtgagagca tgtggaanatt ttcattttac 250
ctttatgtat ttacctacgg agtcagattc ctgaaaaaga ccccttggtt 300
gtggaatang aggcattgnt ggtacaacta cccctatcag ccactcacia 350
ctgaccttca ctactattac atcctggagc tgcgttttta ttggtctttg 400
atgttttctc agttcnctga tatcaaaaaga aaggactttg gcattatggt 450
cctgcactac cntgtatcta ttttcttgat taccttttca tatgtcaaca 500
atatggcccg agtaggaacg ctggtccttt gtcttcatga ttcagctgat 550
gctcttctgg aggctgcggc cgc 573

<210> 425

<211> 632

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 19, 110

<223> unknown base

<400> 425

attttttgaa attaatgcnt gagctttatt ttgtttaatt gttatgcccc 50
ctggattggg acaagcatca cctctgaatt ttgaagacct taatgtgtgt 100
tagccattgn aaagctactc aagtgcgtgt caagagtcac acccacatcc 150
ctttgatcaa atttactaca cgagctgcac tgacattcta aactgggtta 200
aatgcacgcg gcacagagtc agctatcgga cagcctatcg acatggggag 250
aagactatga caggcgcaag tctcagtgtt gtcctggatt ttatgaaagc 300
ggggaaatgt gtgtccccc ctgtgctgat aaatgtgtcc atggtcgctg 350

tattgctcca aacacctgtc agtgtgagcc tggctgggga gggaccaact 400
gctccagtgc ctgcatggt gatcactggg gtccccactg caccagccgg 450
tgccagtgca aaaatggggc tctgtgcaac cccatcacgc gggcttgcca 500
ctgtgctgcg ggcttccggg gctggcgctg cgaggaccgc tgtgagcagg 550
gcacctatgg taacgactgt catcagagat gccaatgcca gaatggagcc 600
acctgcgacc acatcacggg gctggcgggc gc 632

<210> 426
<211> 251
<212> DNA
<213> Homo Sapien

<400> 426
ttttcaatga aaaaaagaat cccaaaaaaa aaagttgtca gcctcatttg 50
tgcgatcatcc cttattttcc tgggatctca ggacctctgt ccctctcatt 100
tctcacttct gagatctgca catcttttac ccaggagcct cagagctcct 150
gagtctgggtg tctgcctatc cccatcttca ctgttagtcc tcctgcagat 200
tctgtgtctc ctttcatgta ggtgctggat ccctgtgtgt ggagcggccg 250
c 251

<210> 427
<211> 607
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 56, 99, 150
<223> unknown base

<400> 427
acaaagtttc ccaatgactt gttaaaagtc gatggtgtag ctcaagatgg 50
aaccncaat gtacattaat aacaaaagtt cacaacgggc aaaggacct 100
cacatgtgca aggaaaatgt gcggagatta ttgggctcac cttgggtacn 150
tgaactacac tcagtataca gtgatagtgg gatttgaaca cctgaagctc 200
cccatcaagg gaatgaactt cacatggaag acttataacc ctgccttctc 250
ccggttgga atctggttcc ggtttttctt tgtggtgctc accttcacg 300
tcacttgctt gtttgcgcat tccctccgga aattttccat gagagactgg 350
ggcatcgagc agaagtggat gtctgttctc ctgcctctgc tgctacttta 400
caatgatccg ttcttcccc tctccttctt ggtcaacagc tggctccag 450
ggatgctgga tgacctctt cagtccatgt tctgtgccc cctgctgctc 500
ttctggctgt gcgtgtacca cgggattcgt gtccaggag aaagaaagtg 550
tttaactttc tatttgctta aattcttcat tgttggaacta ttgtggttgg 600

cggccgc 607

```
<210> 428
<211> 583
<212> DNA
<213> Homo Sapien
```

```

<400> 428
gcatccgctt gactgcatnt gagttttccc agtctgtctt tgggggatggg 50
gccatgccat agtcttgatg tcttgtgccg tgtgattttt gcagataaga 100
tgacttggcc catggccnc agatcactta ttctggggaa gtgtaggaac 150
agtggttgcc taaccoaagt tcttacatga tgtacctttt tcctttctaa 200
aaaataactt aaaaatatga aatatactaa tttgtttcag atattacata 250
caattggaaa gtggacaagt tcctgtatat gctgtcactt ttcaagaacc 300
tgagaatgat cctcggaatt gctgttactt gtgggctggt cagtctacac 350
aagataggta ggtctcatat aaactttggt ttgttttgtt ttgttttttt 400
ggagacagag tctcgctctg ttgtccaggc tggagtgcag tggcgtgatt 450
tcgggtcact gcaacctccg cctcccgat tcatgccatt ctctcgctca 500
gcctcccagag tagctgggac tacaggtgcc tgccaccatg cctggctaata 550
ttttatattt tcagttagaga cgggagcggc cgc 583

```

```
<220>
<221> unsure
<222> 51-52, 54
<223> unknown base
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<400> 429
ttaattttaa aatatgaaaa gtaaaaatgg gattttgtct tatttggtgt 50
nnanagctgg cttttcacac atgcagttgt tagtgtttac tgcccttgcc 100
attttaatta tgaggctaaa gatgtttttg acaccgcaca tgtgtgttat 150
ggcttccttg atatgctctc gacagctctt tggctggctt tttcgcagag 200
ttcgttttga gaaggttatc tttggcattt taacagtgat gtcaatacaa 250
ggttatgcaa acctccgtaa tcaatggagc ataataggag aatttaataa 300
tttgctcag gaagaacttt tacagtggat caaatacagt accacatcag 350
atgctgtctt tgcagggtgc atgcttacia tggcaagcat caagctgtct 400
```

acacttcatc ccattgtgaa tcatccacat tacgaagatg cagacttgag 450
ggctgcggcc gc 462

<210> 430
<211> 546
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 6, 36, 64
<223> unknown base

<400> 430
ggcccnact ggccaaaata gttggaatgc cttttnttat tcaccaatgg 50
ggcccaaggg gaanagtggg tgtttggggg gcctttttgc accatcatca 100
catccctgga tacttgtaac caatttgcc ttagtgccat catgactgta 150
atgagtgtgg acaggctactt tgcctcgtc caaccatttc gactgacacg 200
tggaagaaca ggacaagacc atccggatca atttgggcct ttgggcagct 250
tcctttatcc tggcattgcc tgtctgggtc tactcgaagg tcatcaaatt 300
taaagacggg gttgagagtt gtgcttttga ttgacatcc cctgacgatg 350
tactctggta tacactttat ttgacgataa caactttttt ttccctcta 400
cccttgattt tgggtgtgcta tattttaatt ttatgctata cttgggagat 450
gtatcaacag aataaggatg ccagatgctg caatcccagt gtacaaaaac 500
agagagtgat gaagttgaca aagatggtgc tgggtgctggc ggccgc 546

<210> 431
<211> 526
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 56, 64
<223> unknown base

<400> 431
agggtgcacc atggcaaagc ttcccttctt gattctctcg agtttgttga 50
agcgtntacg gttncactga cggattcaga agctcatttt acctcagctt 100
tcattgaaac tacctcctat cttgagtctt cactcatttc ccatgaatcc 150
gcagtcactg cactggtgcc ccccggtctg agtcttttga cattttgact 200
gccgggattc aagcaacatc accattgacc actgtccaca caacgcccac 250
tttaactgag tcttctttgt tctcaactct gacacctcct gacgacaaa 300
tcagtgtctt agacggtcac gtgtctgtcc tggcctcttt ctccaaagcc 350
attcccactg agctgaccgt cgtgggcccac tcaactcacac ccacagaggt 400

gccactgaac acctccacgg aagtgagcac aaccagcacc ggtgctgcca 450
 ctggtggtcc cctcgactcc accctgatgg gtgacgccgc aagtcagagc 500
 cccccagaga gtagtgctgc tctcc 526

<210> 432
 <211> 525
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 17, 93, 107
 <223> unknown base

<400> 432
 acactcagaa caggagnaat ttggactaat tttcaaacta cagacacttt 50
 ctaatcatga tgcatttcaa aagtggactc ggaatttaac tgnngttgcaa 100
 aacatgncag tgccccgagga tgataacatt agcaatgact ccaatgattt 150
 caccgaagta gaaaatggtc agataaatag caagtttatt tctgatcgtg 200
 aaagtagaag aagtctcaca aacagccatt tggaaaaaaaa gaagtgtgat 250
 gagtatattc caggtacaac ctcttaggc atgtctgttt ttaacctaaag 300
 caacgccatt atgggcagtg ggattttggg actcgcttt gccctggcaa 350
 aactggaat cctacttttt ctggtacttt tgacttcagt gacattgctg 400
 tctatatatt caataaacct cctattgatc tgttcaaaag aaacaggctg 450
 catggtgtat gaaaagctgg gggaacaagt ctttggcacc acaggggaagt 500
 tcgtaatctt tggagccacc tctct 525

<210> 433
 <211> 558
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 23, 111, 130, 146
 <223> unknown base

<400> 433
 ccaacccaat taccaagcag atncttttgg gggattccag ccatcagaca 50
 aggaacccat ggcagctgca gggttttttg cattgtgcaa gcttatgctt 100
 tcttgcagat ntgagagccg attaacaaan caagagttcc agaccntttt 150
 ctttttgggt gtatcactag ctgcaggtgc tgtgttcctt agtgtcatct 200
 atttgactta tacaggttac attgcacat ggagtggcag gttttattca 250
 ttgtgggata ctgggtatgc aaaaatacac attccaatta ttgcatcagt 300
 gtctgagcat caacctacga cttgggtgtc tttcttcttt gatctacata 350

ttcttgtatg taccttccca gcaggccttt ggttctgcat caaaaatata 400
aacgatgaaa gagtatttgt tgccttatat gcaatcagtg ctgtctactt 450
tgctggagtg atgggtgcgac tgatgttgac tttgactcca gtcgtgtgta 500
tgctgtctgc aattgccttt tcaaagtgtt ttgagcacta tttgggggct 550
gcggccgc 558

<210> 434
<211> 490
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 74
<223> unknown base

<400> 434
attgcagctg ttattttttt ggaaatgctt gaaaaagcag ttttttatag 50
tgaataccaa aacatcagca acantggact gtcaacccaa ggcttattga 100
tatttgcgga gttgatttct gcgattaaga ggacgttggc tcgccttctc 150
gtgatcattg tgagcctggg ctatggcatt gtgaagcctc gtttaggaac 200
agtcattgcc gggatgatcg actggggcct ctatacttaa tctttgcagc 250
tggtgaaggc gtgatgagag tcattggggg ttctaaccat ttagctgttg 300
ttcttgatga cattatttta gcagttattg actccatttt tgtgtggttc 350
atttttatta gtttggcaca aactatgaag accctaaggc taagaaagaa 400
cactgtgaaa ttttcattat atagacattt taaaaatact ctgatctttg 450
ctgtgctggc ttctatagtg tttatggggc gagcggccgc 490

<210> 435
<211> 536
<212> DNA
<213> Homo Sapien

<400> 435
ggccacactg gccaaactaa aatttttggg attgcagatg acgctcatat 50
tggcaactta ctaacatcaa aattcttttag ttataaggat tttgataact 100
tattgtatac ctgtgcagcg gagtttgact ttatggaaaa agagactcca 150
ctgagataca caaagacatt attgcttcca gttgttcttg tagtgtttgt 200
tgctattggt agaaagatta ttagtgatat gtgggggtgtc ttagctaaac 250
aacagacaca tgtaagaaaa caccagtttg atcatggaga gctggtttac 300
catgcattgc aattgttagc atatacagcc cttggtattt taattatgag 350
actaaaactc ttcttgacac cacacatgtg tggtatggca tctatgatct 400

gctcaagaca gctattttgga tggctctttt gcaaagtaca tcctgggtgct 450
attgtgtttg ctatattagc agcaatgtca atacaagggt cagcaaactct 500
gcaaaccag tggaatattg taggggaggg gcccg 536

<210> 436
<211> 513
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 40, 57, 66
<223> unknown base

<400> 436
agggttttaa taggactanc agtacgatgg gcagtgtctn ttaattttta 50
ttcagnggct ggtaanccgc ctatgtttgg tgattatgaa gctcagagac 100
ctggcaagaa ataacttttt aatttaccgg tcaaacaatg gtattttacc 150
agcagtgata acaattttaca gtattgggga ttggattacc cacctcttac 200
agcttatcat agtctcctat gtgcatatgt ggcaaagttt ataaatccag 250
actggattgc tctccataca tcacggtgga tatgagagtc aggcacataa 300
gctcttcattg cgtacaacag ttttaattgc tgatctgctg atttacatac 350
ctgcagtggg tttgtactgt tgttgcttaa aagaaatctc aactaagaaa 400
aagattgcta atgcattatg catcttactg tatccaggcc ttattcttat 450
agactatgga catttttcaat ataattctgt gagtcttggc tttgctttgt 500
ggggtgcggc cgc 513

<210> 437
<211> 570
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 32, 48, 72
<223> unknown base

<400> 437
cactggccaa aaaattcgat gcgaggccca gnaagcacgc tgaaacctg 50
gcggcggcaa gctgtgcgac tnttttgagg ccggcctggg caggtgtctt 100
cctcgagagg caggcagggg atcccggaca ctagctttat cgtcatctgg 150
gaaattgtta aaaatgcaaa ttcgcaagtt tgagagccat ggtccaaga 200
aactgcataa gcatacgaaa taagttgcag cctcccgact tataccctgg 250
tacttctagt ctaaaacagg atttgactct actaatccag ccttatacag 300
gatgctgtgt tctttgctcc tttgtgaatg tctgttgctg gtagctggtt 350

atgctcatga tgatgactgg attgacccca cagacatgct taactatgat 400
gctgcttcag gaacaatgag aaaatctcag gcaaaatatg gtatttcagg 450
ggaaaaggat gtcagtcctg acttgctcatg tgctgatgaa atatcagaat 500
gttatcaciaa acttgattct ttaacttata agattgatga gtgtgaaaag 550
aaaaagaggg gtgcggccgc 570

<210> 438
<211> 557
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 33, 51
<223> unknown base

<400> 438
agaaaaagaa gaatcaacgt aaataagata aanggattca aaataaagat 50
ntcttgaaga gaaataagaa tcattttacaa aagcagcaga gaaaaatttt 100
acagatgaag gagccagcta ttaagatgg gcatcaagg tctccagcag 150
tctaaaagcc aaaaacaaaa agaagaagcc tacctacttt ttgccaaagc 200
agctgacatg ggaaacttga aagctatgga gaaaatggct gacgctttgc 250
tatttggaag ttttggcgtg caaatataa cagcagctat ccaattatat 300
gagtccttgg ctaaagaagg atcatgtaaa gcccaaaaag cattaggatt 350
tttgtcttct tatggaatag gaatggaata tgatcaagct aaggcactga 400
tatattacac ctttggaagt gctggaggaa acatgatgtc ccagatgatt 450
ttgggggtaca gatatttgtc gggaatcaat gttctacaga attgtgaagt 500
tgccctaagt tattacaaga aagtggcaga ttatattgct gacacatttg 550
aaaaaag 557

<210> 439
<211> 330
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 116-117, 135, 196, 261
<223> unknown base

<400> 439
ttttgttgcc ttgggtgttc tcacactctg caagttttac ttgcagggtt 50
atcgagtttt catgaatgat cctgccatga atcggggcat gacagaagga 100
gtaacgctgt taatcnntgg cagtgcagac tgggntgata gaacatgcag 150
gttggttcac gggcattctt gctcagatatt atccttttca ttgtcngtag 200

cttctatcct acagtctatg ttagaaattg cagatcctat tgttttggca 250
 ctgggagcat ntagagacaa gagcttgtgg aaacacttcc gtgctgtaag 300
 cctttgttta tttttattgg tattccctgc 330

<210> 440
 <211> 549
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 46, 64, 82, 85, 88, 169
 <223> unknown base

<400> 440
 accaccttgc ccatttattht tggcccttgt taaaccaata actgcntatc 50
 cagatatgcc acantttttgc ctgctgtggc anccntcntg gataggtgct 100
 cttgttaatc acatggatgt tatataagag ttggggccggc ccagcacaca 150
 aggtcagcat gtgctcttnt gtcacgctct cgctatagct gttgtccaga 200
 tcgttatctt ctcagaaagc tgggcatttg ccaagaacat caacttctat 250
 aatgtgaggc ctccctctga ccctacacca tttccaaata gcttcaagtg 300
 ctttacttgt gaaaacgcag gggataatta taactgcaat cgatgggcag 350
 aagacaaatg gtgtccacaa aatacacagt actgtttgac agttcatcac 400
 ttcaccagcc acggaagaag cacatccatc accaaaaagt gtgcctccag 450
 aagtgaatgt cattttgtcg gttgccacca cagccgagat tctgaacata 500
 cggagtgtag gtcttgctgt gaaggaatga tctgcaatgt agaattacc 549

<210> 441
 <211> 303
 <212> DNA
 <213> Homo Sapien

<400> 441
 atttatthtgc ctaaattgaa agggaaacata gatggaattc caaaatatgt 50
 acattcagct gtttggtttt tcgtttttca ttgttattat tgtgagaatg 100
 ctgttattgg ggttgtgtgt gagtgccctg cagccagtga tgcctcgggc 150
 cagctgtggg ggccacctca gtccctgctg ggtcctggtg ccttggaccc 200
 cagctgcttg tggccaggct gccctgggc ggggccatgt ggcctcagac 250
 cacaagagcg gagctgcctt ggcccaagca ctgcagctgc ctgcaccccc 300
 ggg 303

<210> 442
 <211> 559
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 38, 63, 90, 138
 <223> unknown base

<400> 442
 cgaccgccct tcgcggggca gnaaggccag gggtgctnag ttctttcacc 50
 tccttttaga ctnaagatgt gccaaagttt ccggcattgn tcttgaggat 100
 ctcagaaggg ctctttaagc aagactgcaa atgggtgngt atttgtcatg 150
 aaccgaatga attccccaga acagtgggtt cactcagcgc aggggaatgg 200
 ctctttggga ttgttattct tctgcttggt gatgtgatat gggttgcttc 250
 ctctgaactt acttcgtatg tttttacca gtacaacaaa ccattcttca 300
 gcacctttgc aaaaacatct atgtttgttt tgtacctttt gggctttatt 350
 atttggaagc catggagaca acagtgtaca agaggacttc gcggaaagca 400
 tgctgctttt ttgacagatg ctgaagggtta ctttgctgct tgcacaacag 450
 atacaactat gaatagttct ttgagtgaac ctctgtatgt gcctgtgaaa 500
 ttccatgatc ttccaagtga aaaacctgag agcacaacaa ttgatactga 550
 aaaaacccc 559

<210> 443
 <211> 559
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 25, 50
 <223> unknown base

<400> 443
 gacctcgacc caagggtccg cgganggggtg ggactgggtca tggatctttt 50
 gtcaagaatg agtttcggcc cctcctacc ttatgggcta taataaatcc 100
 ttgagtgtgg ggcaaccaca acttttctga ctgggattat tcagctaata 150
 atgggcgtat tgggtttggg ttcattgcca cttaccttcc ggagtctgca 200
 atgagtgtct acctggctgc tgtggcactt catatcatgc tgtcccagct 250
 gactttcatc tttgggatta tgattagttt ccatgccggt cccatctcct 300
 tcttctatga cataattaat tactgtgtag ctctcccaaa agcgaattcc 350
 accagcattc tagtatttct aactgttggt gttgctctgc gaatcaacaa 400
 atgtatcaga atttctttca atcagtatcc cattgagttt cccatggaat 450
 tatttctgat tattggcttc actgtgattg caaacaagat aagcatggcc 500
 acagaaacca gccagacgct tattgacatg attccttata gctttctgct 550
 tcctgtaac 559

```
<210> 444
<211> 547
<212> DNA
<213> Homo Sapien
```

```
<400> 444
acagttgtgg ggaatcactg ttcttggtta gaaatttctg cattttatat 50
tattttcttg gctatatcc caaagcttgg attagcactg ctatgaacct 100
tcacatagat gagcagggtt ataggccact tgacacagtg agtggcctct 150
taaatctctc gttactctac catgtctggc tgtgtggtgt ctttctcctg 200
acgacttggt atgtctcatg gatactcttc aaaatctatg ccacagaggc 250
tcatgtgttt cctgttcaac caccatttgc agaaggggtca gatgagtgcc 300
ttccaaaagt gttaaatagc aatcctcccc ccatcataaa gtatttagcc 350
ttgcaggacc tgatgttgct ttctcaatat tctccttcac gaagacaaga 400
agttttcagc ctcagccaac caggtggaca tccccacaat tggacagcca 450
tttcaaggga gtgtttgaat cttttaaatg gtatgactca gaaactgatt 500
ctctatcaag aagctgctgc tacgaatggg gggcatcatg cggccgc 547
```

```
<210> 445
<211> 525
<212> DNA
<213> Homo Sapien
```

```
<220>  
<221> unsure  
<222> 40, 69, 176  
<223> unknown base
```

```
<400> 445
ttcatggttaa aaaatgaact accctctgcc ataaagttn taatgggaaa 50
ggaagagaca ttttcagcnt ggacgtggat ggccgcgttc tgggtggtgat 100
agttaccttt ggcataattc tccctctgtg tctcttgaag aacttaggga 150
tcttggtctat actagtggat tttccntgag ctgtatgggt tttttcctaa 200
ttgtgggttat ttacaagaaa tttcaaattc cctgcattgt tccagagcta 250
aattcaacaa taagtgctaa ttcaacaat gctgacacgt gtacgccaaa 300
atatgttacc ttcaattcaa agaccgtgta tgctttaccc accattgcat 350
ttgcatttgt ttgccaccgc tcagtcctgc caatttacag tgagcttaaa 400
gaccgatcac agaaaaaaaaat gcagatgggt tcaaacatct cctttttcgc 450
catgtttgtt atgtacttct tgactgccat ttttggtac ttgacattct 500
atgacaacgt gcagtcgcgc gccgc 525
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$\langle 210 \rangle$	446
$\langle 211 \rangle$	510

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 2, 287
<223> unknown base

<400> 446
gnccacactg gccaaaaggt tgccgctagc cgcctgggaa ttttaagggac 50
ccacactacc ttcccgaagt tgaaggcaag cgggtgattgt ttgtagacgg 100
cgctttgtca tgggacctgt gcggttggga atattgcttt tccttttttt 150
ggccgtgcac gaggcttggg ctgggatgtt gaaggaggag gacgatgaca 200
cagaacgctt gcccgacaaa tgcgaagtgt gtaagctgct gagcacagag 250
ctacaggcgg aactgagtcg caccggtcga tctcganagg tgctggagct 300
ggggcagggtg ctggatacag gcaagaggaa gagacacgtg ccttacagcg 350
tttcagagac aaggctggaa gaggccttag agaatttatg tgagcggatc 400
ctggactata gtgttcacgc tgagcgcaag ggctcactga gatatgccaa 450
gggtcagagt cagaccatgg caacactgaa aggcctagtg cagaagggcc 500
ctgcggccgc 510

<210> 447
<211> 551
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 32, 95, 98, 107, 207, 374
<223> unknown base

<400> 447
aagttttttt ttaattatca tgggacgggt tntggattta atggggggaa 50
aagggcggaa aaggacaagg atccaaactg gggaatttgt tgatnttngg 100
gtccctntcc gctttccggc cggcagcggc tgccagggtta tatttccttt 150
tttccgatcc tgcaacagcc tctttaaaact gtttaaata gaatgtcctt 200
ggctcanaga gtactactca cctggctttt cactactctc ttcttgatca 250
tggttggtgtt gaaactggat gagaaagcac cttggaactg gttcctcata 300
tttattccag tctggatatt tgatactatc cttcttgctc tgctgattgt 350
gaaaatggct gggcgggtgta agtntggctt tgaccctcga catggatcac 400
acaatattaa aaaaaaagcc tggtaacctca ttgcaatgtt acttaaatta 450
gccttctgcc tcgcactctg tgctaaactg gaacagttta ctaccatgaa 500
tctatcctat gtcttcattc ctttatgggc cttgctggct ggggcggccg 550

c 551

<210> 448
<211> 346
<212> DNA
<213> Homo Sapien

<400> 448
taattaaaat gcacacacac acacacacac acagaaattt tgagagccat 50
tttaatatataa ttgcctccct agaaacatac ctttttaggga atttttatca 100
ctaaaccaca tgttatttaa atacgtacat gttaaataa aatacatata 150
taaaattcac atgcatactt aacacttatg ttaaataat tcaatgtata 200
tacatatgta cacaataat gcatatatac atgtgggtat gtgggtatgtg 250
tgcatgtgtg tgtatggcca gctacataat ttgtgggact aaggggcaaaa 300
tgaaactgta cggccctcgt tcaaaaatta ggtgtggggc ggccgc 346

<210> 449
<211> 550
<212> DNA
<213> Homo Sapien

<400> 449
ccagttgtc aaactactac ttttcaatgc ttctacatag cattcttta 50
gggcaaattt gtaggctatc caggagacc cagtttattg gttgggaaaa 100
tacagaaatg aagagtgtga cccagggtggc tgtcttcttg aactgacaac 150
tcagcttgac aataatcatg ggaggaaaag caatctggaa taacatacaa 200
gaagtattat tgccctggat catgaatcta attgggggat ttcacagagt 250
ttctggatca gaaaagataa cccacgatg ggaacaggac taccatctgc 300
agcctatggg caaactggga ttattttatg aatatcttga aatgattatt 350
cagtttgggt tegtacctt atttgtggcc tcttttccac tggccctct 400
gttggctctc gtgaacaata tattggaaat aagagtggac gcatggaaac 450
tgaccacca gttagacgc ctggtaccag agaaagccca agacattgga 500
gcatggcagc ccatcatgca aggaatagca attctggctg tggcggccgc 550

<210> 450
<211> 499
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 57, 65, 68, 100, 146, 160, 177, 194, 237
<223> unknown base

<400> 450
ctgttaatga ttgcatttgg ccttgctggg ggggcatttt cttgcggatc 50
aaaccncgc aaagngtntt catttccacg tgtctgtctt gtcaagcacn 100

cccttggtgt ccaggttcoct tcatggccag tgctcgggggt acaaanaagg 150
cgacattgan tacaagcccc gtgctcntcg gcatgctggt aacncaggac 200
gtgcagctcg ggctcttcat ggccgtcatg ccgactntca tacaggcggg 250
cgccagtgca tcttctagca ttgtcgtgga agttctccga atcctgggtt 300
tgattggtca gattcttttt tcaactagcgg cggtttttct tttatgtctt 350
gttataaaga agtatctcat tggaccctat tatcggaagc tgcacatgga 400
aagcaagggg aacaaagaaa tccatgatctt gggaatatct gcctttatct 450
tcttaatggt aacggtcacg gagctgctgg acgtctccat ggagctggg 499

<210> 451

<211> 474

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 26, 61, 77, 92, 99, 118, 136, 148, 167, 171, 228, 233, 255, 283,
347, 404, 468

<223> unknown base

<400> 451

atcccaggcc tttaggcccc ggaatnaaca attgcaatgc acgtttaagg 50
aaaaggccat ntcggattca gaccctnacg gccttcccac antttgtcnt 100
cacttgcaac agggcttngg gtgggcctcc cgtttntaaa gcaccccnct 150
atgaatgcac agcaggncaa naccgaagtc ccaagactgc ctgggcctac 200
tggtccccct agcatttgtg cagaggntc cntacaagc tcccatgttg 250
ggaanaagca cagaccacc aggaccctg ttntcctcct cagatcccct 300
tcttgccacc ttttccact ccggggactc agcccaggac acctcgntga 350
ttcctgcccc ctttacacct gcaagcaggg atgccggcat cagaagaatg 400
tttngtggtt gaaattgtt gaggggttg gggttatatt tggttggttt 450
ttcttttttt ttgcttangt gggc 474

<210> 452

<211> 421

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 108, 153

<223> unknown base

<400> 452

acggcgctcc ccgcccgaat tcaaagctcc gagtcatccg tgtggggcat 50
tcgtcccccc tggcacagtt ggctctttc cagaagcccg tttgtttgt 100

tttacgtnta aattcgcgtc ggttcttatt tctctccctg gcaaggtctg 150
 aanacgggta ggagaataac ctgtgtcagc gtgttatgat gccgtcccgt 200
 accaacctgg ctactggaat cccagtagt aaagtgaaat attcaaggct 250
 ctccagcaca gacgatggct acattgacct tcagtttaag aaaacccctc 300
 ctaagatccc ttataaggcc atcgcaactg ccaactgtgct gtttttgatt 350
 ggcgcctttc tcattattat aggtccctc ctgctgtcag gctacatcag 400
 caaagggggg gcagaccggg c 421

<210> 453
 <211> 504
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 84, 117, 121
 <223> unknown base

<400> 453
 gtcaccttta cattctagtc ctctgcac tcctcaagg tccccacaca 50
 aaggttacac acttattcca tcagctaaat ctgncaactt gtctgactcc 100
 agccatagtg agatttnttc ncgggccagc atcgtgagca attgttctgt 150
 tgactccatg tctgcagctc tacaggatga acggtgttcc tctcaggccc 200
 tggcagtcct tgaatccact ggggcattgg aaaagacaga gcacgcttca 250
 gggataggag atcatagtca acatggccct ggggtggacac tcttgaagcc 300
 atctctaata aagtgtttag ctgtctcatc gtctgtgagc aatgaagaga 350
 tttctcaaga gcatatcatt atagaagcag ctgacagtgg tcgtggaagt 400
 tggacttcgt gttcaagcag ctcccatgac aacttccaaa gccttccaaa 450
 cccaaaaagc tgggattttt tgaactctta cagacatacc catttgatg 500
 accc 504

<210> 454
 <211> 474
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 21, 46, 55, 81, 86, 218, 301
 <223> unknown base

<400> 454
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 ccaanacccc ttttcttttt tgggtgtatc nctagntgca ggtgctgtgt 100
 tccttagtgt catctatttg acttatacag gttacattgc accatggagt 150

ggcagggtttt attcattgtg ggatactggg tatgcaaaaa tacacattcc 200
aattattgca tcagtgtntg agcatcaacc tacagacttg ggtgtctttc 250
ttctttgatc tacataattct tgtatgtacc ttcccagcag gcctttgggt 300
ntgcatcaaa aatatcaacg atgaaagagt atttgttgct ctatatgcaa 350
tcagtgtgtg ctactttgct ggagtgatgg tgcgactgat gttgactttg 400
actccagtcg tgtgtatgct gtctgcaatt gccttttcaa atgtttttga 450
gcactatttg gggggagcgg ccgc 474

<210> 455

<211> 525

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 28, 57, 91-92, 98-99, 127, 133, 151, 178, 221, 236, 239, 267,
295, 301, 325, 349, 381, 396, 426, 441, 481, 498, 501, 516

<223> unknown base

<400> 455

gccagaaaac ccttaagaaa aaaagcgnag gaaattttcg ccaaagctga 50
aagatcncag cggcctgaga aaaaagtttg ccccaaaaag nntgttttna 100
aaaggccaag gaggaagccc ccttttntcc ctngggcact tgtatttttt 150
naaccctgct ttccccaaat cccactnat gaggatcagc ccatgggtgg 200
atttttgcga tgatttcctg ngtcctggag tctttntcng gtcaacgggt 250
ttcttgttat atttgcncta tgtagctgat gtcaattcag gagcncggag 300
ngaagtacaa gcttatggat gggtnctcag cccacctttg cggctagtnc 350
ttgtcagcag cccgggccat tggagcatat nttttctgcc agtttncgga 400
gacagcctcg ttgtgctggt ggccncagt ggtggctctt ntggacatct 450
ggttcatctt agtggctggt ccagaatcct ntgcatgaga aaatgagncc 500
nggtttcctg gggagntgcg gccgc 525

<210> 456

<211> 506

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 94, 139, 162, 195, 257

<223> unknown base

<400> 456

tccttggttaa acatgaaggg ccccggtagc catggtttgg ccaccttcat 50
tccaagcacc ccgccccagc aaggcctcct ggtacctttg tcanccactt 100
gttgtagaag gtgatgccga tggagaagca gtagtagana agcaccagcc 150

ccagggtcaa cncgcgcttc cacaaaaagc cacatcgagg gccncctcc 200
ccattcgtgg cggctgcagc accggagctc ctgagtcagc gggggcaggc 250
acccctnttg aatacaatgt gcaggaagag ccggtggagt tagaccacag 300
ctttcaccaa gaacgtctcc aggctggagg agctctctgc agctccatga 350
ttcggaacca tcagcagagc cccaggcaga gtcctcacct aaggggctgg 400
tggctgggtgc tgacccttcc catggttaat tggatgcagc gtcacagggt 450
cccaagggtct gctcggccct gggagctcca ggccggaatt tttggccagt 500
gtggcc 506

<210> 457
<211> 194
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 36
<223> unknown base

<400> 457
tgctcccctc tctcctctcc acaatctcac ccattntgca tgtgccggtg 50
ccctttcctg tcatcccacc tttctctgag actgtgttct tttttcttaa 100
ttctgttttc tgtttgttct ttaggttgca tagtctttat tgatatttct 150
ttgaattcac tgattcttct gccagctcag tctgttggtg agcc 194

<210> 458
<211> 480
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 40, 61, 105, 128, 193, 217, 229
<223> unknown base

<400> 458
gattacaaaa acaaaaaatg tttaatttaa gtgaaagggn ttaataattt 50
taatctggga nttaataatt cagtggaaat tttaaataaa tagttactat 100
aatcncaaat aattgagagt caactttntt tttccccaaa acatacatga 150
aaggctctgtg tgtgtaagct ctgattttca ggacccttat ttntggaagc 200
agagtaactg gaaatantaa gtcaagatnt gaaaaccatt tgaagttaac 250
caaaaagcac aggctactaa ggcagggtgca gcatcaatga ttcactacat 300
ggttctgata tcagctcgct tgggtactact cactttgtgt ggatgggtac 350
tttgttggaac cctcgtcaat ctctttcgaa gccattcagt cctcaatctc 400
cttttccttg gctaccggtt tgggtgttat gttcctcttt gctgttttca 450

tcaagatagt agagcacatc ttcttctcac 480

<210> 459

<211> 564

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 57, 73, 84, 93, 105, 147, 150, 156, 235

<223> unknown base

<400> 459

cgggtccgaat atccggaacc tgacccaatc cttggccttt gaaactttca 50
 ttttttngtt gtctgcctca acncgctcagg tggngcccaa acnttggttaa 100
 agtcnagatc cgggggagggt tacttcatgg ccttggaactc catattnttn 150
 tgcantatcg tggtgaaagc cctgctcaag atcatcgccc tgggcctctt 200
 ggtacttctt tgacttctgg aacaatttgg acttnttcat tatggccatg 250
 gccgtgctgg acttcttget gatgcagacc cactccttcg ccactctacca 300
 ccaaagcctc ttccggatcc tcaaggtctt caagagcctg cgggcccctga 350
 gggcaatccg ggtcctgcgg aggetcagct tcttgaccag cgtccaggaa 400
 gtgacaggga ccctggggcca gtcccttgcg tccatcgag ccactctcat 450
 cctcatgttt acctgcctct tctctctctc cgcggctctc cgggcaactgt 500
 tccgcaaacc tgaccccaag cgtctccaga acatcttcac caccatcttc 550
 accctcttca cctt 564

<210> 460

<211> 565

<212> DNA

<213> Homo Sapien

<400> 460

caaagaaaag aaaagggcac ttcggagcaa atcatacact aggcctttga 50
 tgctttaatt cttcttcagt tcattaaaag taactactaa ggaaagggtta 100
 aaaacttccc ctcaaaaagg aatcaacccc aggaagtaat catttacaac 150
 gattttccca aattttgaca atctgtcctg gaaagcaaac ccctttttaa 200
 atctaagtgc tgggctttga gtattagctc atttaggggtg gacaaatgca 250
 ttactgtttt caaactgctc acatttatct agtatttctc caagttgcta 300
 tctactcagc cttatgaatg ccctcgtctt ttctaaggcc atgtgaaaat 350
 cacggcactg cccttagcct tgtgtcatct gctttttcgt totgcgatat 400
 gccagttcc caaatcaatt ataggtagct gttagggaga gaggaagatt 450
 ttacctctca aagggtgaga ttgaaatctt aactaaaaa gacaacttta 500

cattttaatgc ttcacttaat gagacattct tttttttata agtctatttt 550
tctactcagt ttcag 565

<210> 461
<211> 563
<212> DNA
<213> Homo Sapien

<400> 461
atgcagttgt taaggtttac tgcccttgcc attttaatta tgaggctaaa 50
gatgtttttg acgctgcaca tgtgtgtatg gcttccttga tatgctctcg 100
cagttctttg gtggcttttt cgcagagttc gttttgataa tgttatcttt 150
ggcattctaa cagtgatgtc aatacaaggc tatgcaaacc tccgtaatca 200
atggagcata ataggagaat ttaataatgt gcctcaggaa gaacttttac 250
agtggatcaa atacaatacc acatcagatg ctgtcttcgc aggtgccatg 300
cctacaatgg caagcgtcaa gctgtctaca cttcatccca ttgtgaatca 350
tccactttac gaagatgcag acttgagggc tcggacaaaa atagtttatt 400
ctacatatag tcgaaaatct gccaaagaag taggagagaa attgttgag 450
ttacatgtga attattatgt tttagaagag gcatgggtgtg ttgtgagaac 500
taagcctggg tgacagatgc ttgaaatctg tgatgtggaa gacccttcca 550
atgcagctaa ccc 563

<210> 462
<211> 487
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 17, 37, 70, 126, 128, 131, 150, 161, 172, 234, 299, 321, 368
<223> unknown base

<400> 462
gaagtgggccc caacatntga caaaactccc aatgaangat tccccgcttg 50
aaacaatggg ggcagggctn ccggcttcga ggggcaagtt tcaagcattc 100
aacaaagggc cccccgaaa atttcnangg ngtccaacac tcagtggccn 150
cagcccagcc ncagaaccca anacataagg catgtcatcc acaagctctc 200
ctttggggac aacgctacag gtccagaaca tccnccggagc tttcaatgct 250
ctcgggggag cagacagact cacctccaac cccctggcct cccacgaent 300
acatcctgaa gattgtgccc ncggtttatg aggacaagag tggcaagcag 350
cggtactcct accagtanac ggtggccaac aaggaatacg tcgcctacag 400
ccacacgggc cgcacatcc ctgcaatctg gttccgctac gacctcagcc 450
ccatcacggg caagtacaca gagagacctg cggccgc 487

```
<210> 463
<211> 535
<212> DNA
<213> Homo Sapien
```

```
<220>  
<221> unsure  
<222> 59, 66, 82, 227, 440  
<223> unknown base
```

<210> 465
 <211> 573
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 33, 79
 <223> unknown base

<400> 465
 cactggccaa accattatat ggcatactct ggntacgtgg tctgcctgtt 50
 attggaaaga tatattaaga atccagttnt ggattgcagc tgttattttt 100
 ttgggaatgc ttgaaaaagc agttttttat agtgaatacc aaaacatcag 150
 caacactgga ctgtcaacccc aaggcttatt gatatttgcg gagttgattt 200
 ctgcgattaa gaggacgttg gctcgccttc tcgtgatcat tgtgagcctg 250
 ggctatggca ttgtgaagcc tcgttttagga acagtcacgc accgggtgat 300
 cggactgggg cttctatact taatctttgc agctgttgaa ggctgatga 350
 gagtcattgg gggttctaac catttagctg ttgttcttga tgacattatt 400
 ttagcagtta ttgactccat ttttgtgtgg ttcattttta ttagtttggc 450
 acaaactatg aagaccctaa ggctaagaaa gaacactgtg aaattttcat 500
 tatatagaca ttttaaaaat actctgatct ttgctgtgct ggcttctata 550
 gtgttttatgg ggtgggcggc cgc 573

<210> 466
 <211> 506
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 19
 <223> unknown base

<400> 466
 tggatggtac cctggcccnt ccagagtccc agggcaatgg gtccattttc 50
 agcccaatgt ggtgtacatt accctacgct ccaagcgcag caagccggcc 100
 aatatccgtg gcaccgtaag cccaagcgca ggaaaaagca tgcagtggca 150
 tcggctgccc cagggcagga ggctttggtc ggaccatccc ttcagccgca 200
 ggaagcggca agggaagctg atgctgtagc acctgggtac gctcagggag 250
 caaacctggt taagattgga gagcgaccct ggaggttggg gcgggggtccg 300
 ggagtgcgag cggggggccc agacttcctg cagcccagct ccagggagag 350
 caacattagg atctacagcg agagcgcccc ctcttggtg agcaaagatg 400
 acatccgaag aatgcgactc ttggcggaca gcgcagtggc agggctccgg 450

cctgtgtcct ctaggagcgg agcccgtttg ctggtgctgg aggggggtgc 500
ggccgc 506

<210> 467
<211> 410
<212> DNA
<213> Homo Sapien

<400> 467
aacctgtgac gttagtgtgt tottactagc tttaatttgt atgtagcaat 50
gaattgtgaa tottagtgca gtgggttttt ttaaaaaact caaaaagctg 100
ggaattaagg gtttcagtaa taatgctata ccgagggtgct tgcattgtat 150
ttcataattht tgttacaaac caaaattatt tttaatgaga acagtcttgg 200
gttcagaggt gtgatgccag aatgtattht cgtactgtta ggcccttgga 250
acagataccg gtgctthtctg aaagatgaaa gaaatgcaat ggggtgctctt 300
catgcaaggt tgcaaaccta ccaagaatgc ataatagtct cactthtccc 350
caataaagag atgcgtgtga ctagthtthtgg actthttaacc ttaatgggga 400
tggcggccgc 410

<210> 468
<211> 395
<212> DNA
<213> Homo Sapien

<400> 468
atggtcctgg gcatccattg acctgcttht tgtocttgta gattagthttht 50
gcctgttcta gaaththtatg tatgtaagggt aatgatgact atgtatgttht 100
gtgthtggct taththtacc agcaagthttht tgaggthtcat gttattgtgt 150
gtatcagaag ttagthtthtcta thtattgctc agtagtaththt cattctgtga 200
attaccatg gtctgtthtaa tatattcatc tathgatgat gaacaththtag 250
attactthttht gththtgcct attaaaaata agtttagtat gaatatgcat 300
gtacaagttg tathgtggat atactthtgtg ataataacta gaaccaggag 350
tggttcaaaa thtaaththtac acatctactc cctgtgttat ttgcc 395

<210> 469
<211> 558
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 53, 122, 235
<223> unknown base

<400> 469
tggtgaaaa ththtggaaa aaagaatatt ththththtaa taggthaactt 50

aanatatttt attcattgtc gccagtgta acaagaggaa tcagttaaac 100
 tcctgtgtcc aggccagtac cnccaattaa tgcacttgta gctactgaat 150
 tccagccaag ataaatataa ttaaatctag tgcttcagga aatgagttga 200
 tcatcaaggg agttagaatg gaaaaacatt tatgnataat tttaaaggac 250
 attggactta actgtttggg atgaatgagc ttgatttttt ctatacatat 300
 tataagttaa tataaaaaaa ggctttgggt agactccgta tgaccttatg 350
 tatttgattt catgagtttc attttctgca gtaactttat cattcatttt 400
 tcatctctta ggctggaatg tagtggaataa agaactgaac taggagttag 450
 aagatttaag ttttggtctt ggctccatca catactggca gtgatgatct 500
 tagccaagtt tgaactgctt atggcggggt cttgtttatt catttcagta 550
 tttccaac 558

<210> 470
 <211> 552
 <212> DNA
 <213> Homo Sapien

<400> 470
 agttaccctc actttaccaa ggactttgct cggcgtttat tagtgctgtt 50
 tgggtagcat tcccattgct caciaagctc tgtgtgcata aggacttcaa 100
 gcagcatggt gcccaaggaa aatttattgc tttttacctt ttggggatgt 150
 ttattcctta tctttatgca ttgacctcat ctgggcagta tttgagatgt 200
 ttacccttat cctcgggaga agtggttctg aaatcccacc tgatgttgtg 250
 ctggcatcca ttttggtctg ctgtacaatg attctctcgt cctattttat 300
 taacttcac taccttgcca agagcacaaa aaaaaccatg ctaactttaa 350
 ctttggtatg tgcaattaca ttctccttg tttgcagtgg aacatttttt 400
 ccatatagct ccaatcctgc taatccgaag ccaaagagag tgtttcttca 450
 gcatatgact agaacattcc atgacttgga aggaaatgca gttaaacggg 500
 actctggaat atggatcaat gggtttgatt atactggaat ttctcacata 550
 ac 552

<210> 471
 <211> 549
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 25
 <223> unknown base

<400> 471
 gaggcattgt gaatggttgc agtnagctt aggtataaca tcatcaagtg 50

tgttcacacg	cgggggtcggg	tttaatggag	tgtccacgcg	gagataactg	100
cgatattgga	acacctgtga	gagagattgt	tctatagggg	ggaatattca	150
gagttacatt	cttggaagtt	tctgttttta	cttgcacaa	acacccctct	200
gttggttctcc	atcatcttta	atagcaactg	gagaccactt	tgggtcattgg	250
taaggggggtg	cattctcctc	acaaaggggt	tttatggact	toctcaggcg	300
gagagcttct	gagaacacag	gcaggatgga	aaaagactac	tagccacttt	350
tgctttccca	acccccctta	atgccatcct	tcattgtctt	tctggcttct	400
cttcttctgg	cacagtacca	ttttgggtct	gtgccccagt	gtggagcaaa	450
acattgcctg	tcccattctg	atatacttca	gaatttgaga	gcagaagtta	500
atgtggaaca	aaagttttca	ccatctctca	agccccaagg	actggagcc	549

```
<210> 472
<211> 510
<212> DNA
<213> Homo Sapien
```

```
<400> 472
attaggctgt ttgggagcat tcccatgtct cacaaaagct ttgtgngcat 50
aaggacttca agcagcatgg gcccaagaaa atttattgct ttttnccttt 100
tggggatggt tattccttat ctttatgcat tgtacctcat ctgggcagat 150
ttgagatggt taccctatc ctggggagaa gtggttctga aatcccacct 200
gatgttgtgc tggcatccat tttggctggc tgacaatgat tctctcgtcc 250
tattttatta acttcatcta ccttgccaag agcacaaaaa aaaccatgct 300
aactttaact ttggtatgtg caattacatt ctccttggtt tgcagtggaa 350
cattttttcc atatagctcc aatcctgcta atccgaagcc aaagagagtg 400
ttnttcagc atatgactag aacattccat gacttggaa gaaatgcagt 450
taaacgggac tctggaatat ggatcaatgg gtttgattat actggaattt 500
ctcacataac 510
```

```
<220>  
<221> unsure  
<222> 70  
<223> unknown base
```

```
<400> 473
gattgcaagg aggattttat atgatatgca tagcttgtct ttaaaagttt 50
ggatatgtgat aatatcagan cagtaaaagg ctatttcaca ttttaaaact 100
aaatctttat taaataatta tttcacaaagt tagtaattat tgatattctt 150
cttcagggac tagagttcct atgcttccta aactgacttt taaggaaaga 200
tgagactata ttcagtgacag ttttaatatg acatatttta ttatctctta 250
ttttttaaat tgatatttta tgaaggagtc tatggactat aatacgaaaa 300
ttctggttgg ggaggcagga aacctggctt tcaagtacac tccaatagct 350
tttatataaa attcaggtgt tctttttctc taatacttga aatagctatt 400
ttcattttca tgtcattttc tgtacttttc ctgatacttt taaacattgt 450
tttattttca aatgaacagc c 471
```

<210> 474

<211> 379

<212> DNA

 $\langle 220 \rangle$

<221> unsure

<223> unknown base

<400> 474

ttcccqcaat tttcagaaaa atgggantaa aagaaactat tttgtaaaat 50

aaaaaaagctt ccatttttaa tgaccancat gtattaagat ggaacntact 100

ntacgaaanc gaagtntat ggtntcgaaa agcccggtgcc tgttttaaacc 150

ttgatcctaa ctaaaaacag acttgagtgg atatnagaat gttggttagt 200

ggcagaagaq tcaaaaaatg gcagttaatt attcagttat ttgctacttg 250

tttttttagcg agcctcatgt ttttttggga accaatcgat aatcacattg 300

tgagccatat gaagtcatat tcttacagat acctcataaa tagctatgac 350

tttgtgaatg atacctgtc tcttaagca 379

<210> 475

<211> 446

<212> DNA

<213> Homo Sapien

<400> 475

tttagaaatg gtatggcaga atccagaaaa tgctttattg aagacagtca 50

ttgatcacca gtacacttga tctccagtac agacatatgg tggaacagaa 100

gcctggatac aggactcaga ctcttactgg ttggtatcat acgtgatcgt 150

ttgattcagt tcatctctaa attgcagttt gccgtgactg tgctttttgac 200

atcatggaca gagaaaaaac aacgtcgaaa aacaactgcc actttatgta 250

tactcaacat tgtcttttct ccattcgtgt tggatcatcat agttttttct 300
 aactactct cttctccctt actccctctt ttcacccttc ctgtgttctt 350
 ggtgggggtt ccccgacctt ttcagagttg gccaggagca gcaggcacca 400
 cagcctgtgt gtgtgcagat acagtgtact actaccaaact ggtgcc 446

<210> 476
 <211> 451
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 37, 43, 81, 83, 126, 206, 244, 256
 <223> unknown base

<400> 476
 ggggtgctctt tttcaattca ggaacatcaa catttantaac acngtgggggt 50
 gggatcctta caaatcatcc tgcttttttg nanatcactg gctactaagg 100
 cagggtgcagc atcaatgatt cactanattg ttttgatatt agctcgcttg 150
 gtactactca cttttgtgtg gatgggtact ttgttggacc ctctgcaatt 200
 tctttngaag ccattcagtc ctcaattctc ttttccttgg gtanccgttt 250
 ggtgtnttat gttcctcttt gctgttttca tcaagatagt agagcacatt 300
 ttcttctcac agactacaaa tatgtggttc agcacgagga agtagaggaa 350
 agtgcctcga ctgtgggagg ctgggcaaaa tccaaagact ttctctcctt 400
 gttgctggag tcgctaaaag aacagttaa taatgccaca cccatcccca 450
 c 451

<210> 477
 <211> 527
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 7
 <223> unknown base

<400> 477
 ggccacnctg gccaaataag ggcaaaaagc tttatttttt tgaacaggaa 50
 aacatgtttt ttaaattcac atgttttgta tgagactttt gcgaagcaag 100
 gcatgaactg ctaggtatta ttaagaatga atgatttttg catttaagtt 150
 gtttgaaggc atgtattttg aaaaatatct gttacaaatt tataatttca 200
 agacaaattg aatcttattt tataatactt ttggaatttc attaataagg 250
 ctaaaatttg aggaatataa ctaattttca gccttaagac atttaagttt 300
 ggaagtctt gctattcaac agaataacaa gaaaacttca gaatgtatca 350

ctctcctgaa aagaagatat taataagccc ttttatttat gggttatagtt 400
ttattttatag tctcaaaatt cctaaagcaa tgctacaacc attgaatttg 450
ccatattttg tatcagtgct gttaatttgc tgttgccctca agaaaaagtg 500
ctttttctcc atggatgagg cggccgc 527

```
<210> 478
<211> 332
<212> DNA
<213> Homo Sapien
```

```
<220>
<221> unsure
<222> 75
<223> unknown base
```

```
<400> 478
cacacacaca cacacacaga aatttttgaga gccatttttaa tataattgcc 50
tccctagaaa catacctttt aggggnatttt tatcactaaa ccacatgtta 100
tttaaatacg gtacatgttt aacataaata catacataaa attcacatgc 150
atacttaaca cttatgttaa atatattcaa tgtatataca tatgtacaca 200
atatatgcat atatacatgt ggggtatgtgg tatgtgtgca tgtgtgtgta 250
tggccagcta cataatttgt gggactaagg gcaaaatgaa actgtacggc 300
cctcgttcaa aaattagggtg tggagcggcc gc 332
```

```
<210> 479
<211> 569
<212> DNA
<213> Homo Sapien
```

```

<400> 479
accaatcaga tgtatttagg gatttgggat attctaccag gtgttgtgaa 50
atgtcaaatg gaacaagcgt ttcattctga ttttggaact gaattggaac 100
caagaaaaga aatagtgcta tttgataagc caactagagg aactactgta 150
caaaaattta aagaaatggt ctatagtctc ttttaaggcaa aattgggtga 200
ccaaggaaac ctctctgaac tggttaatct catcttgacg gtggctgatg 250
gagacaaaga tggccagggt tccttgggag aagcaaagtc ggcatgggca 300
cttcttcaac tgaatgaatt tcttctcatg gtgatacttc aagataaaga 350
acatacccc aaattaatgg gattctgtgg tgacctctat gtgatggaaa 400
gtgttgaata tacctctctt tatggaataa gccttccttg ggtcattgaa 450
ctttttattc catctggggt cagaagaagc atggatcagc tgttcacacc 500
atcatggcca agaaaggcca aaatagccat aggacttcta gaatttgtgg 550
aaqatgtttt ccatggccc 569

```

<210> 480

<211> 540
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 41
 <223> unknown base

<400> 480
 cccgccatga ctcggagact gaggacatgt atgggacgac ntgctacatg 50
 gccagagtgc ccggtcatct gtcaccagtgc acagtgaggg ggcccatgtg 100
 aatacccttc actcagggcc aaacgtgccc caaagaggat gtttttcagc 150
 agaatcattt attctggctt cagaattcaa gtcccttcctc tgatcgagtt 200
 aggcaataat ctgggagggg aatgagtgc aaaagatgga tatgtctgtg 250
 ttggaaataa gtggcatcat catgagcagg gtcaatacct atcagcaagg 300
 agtaggttat cagatgctgg gaaatgttgt cactattgga ttagcatttt 350
 ttccattctt acatcgactt ttccgtgaga agagccttga ccaactaaag 400
 tccatttcag ctgaggagat cttgactctc ttttgtgggg caccacctgt 450
 tacacctatt attgttttgt cgataattaa tttttttgaa agattgtgtc 500
 ttacttgatg gttttttttc atgatgtgtg tggcggccgc 540

<210> 481
 <211> 77
 <212> DNA
 <213> Homo Sapien

<400> 481
 ggccacactg gccaaagagc atatttgatc actttgattc tctgttcttt 50
 tctctccgcg gtgtgtgtgg cggccgc 77

<210> 482
 <211> 560
 <212> DNA
 <213> Homo Sapien

<400> 482
 aaagaccag tcatggcaag cctccaagca tcagttcacc atggggaaag 50
 catgtgttca aagccattct gatggtccta agtggccctt atcctcctcc 100
 actcagcatt ggcccagtc cgtcgagact ttgcaccacc aggccaacag 150
 aagagagaag ccccagttga tgtcttgacc cagataggtc gatctgtgcg 200
 agggacactg gatgcctgga ttgggcccaga gaccatgcac ctggtgtcag 250
 agtcttcgtc ccaagtgttg tgggcccatt catcagccat ttctgtggcc 300
 ttctttgctc tgtctgggat cgccgcacag ctgctgaatg ccttgggact 350
 agctggtgat tacctcgccc agggcctgaa gctcagccct ggccaggtcc 400

agaccttccct gctgtgggga gcaggggccc tggctgtcta ctggctgctg 450
tctctgctcc tcggcttggg cttggccttg ctggggcgga tcctgtgggg 500
cctgaagctt gtcattctcc tggccggctt cgtggccctg atgaggtcgg 550
tagcggccgc 560

<210> 483
<211> 581
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 134, 187, 224
<223> unknown base

<400> 483
caaaacgatt ttattgccaa accctgtgca ctccgattgg catcgaggac 50
agtggctcctt atcaggccca acccaatgcc atccttgaaa aggtgttcat 100
atctattacc aagtatcctg ataagaaaag gtgnagggcc tgtcaaagca 150
gctggattgg aatgtccgaa aaatccaatg ctggttngcc atcggaggaa 200
tcaggacaag cccccaacgc ttantaaatt ctgtgaaagc atgtggagat 250
tcacatttta tttatgtata ttctgctatg gaattagatt tctctggtcg 300
tcaccttggg tctgggacat ccgacagtgc tggcataact atccatttca 350
gcctctttca agtgggcttt atcactatta tatcatggaa ttggccttct 400
attggctcct tatgttttct cagtttacag acattaaaag aaaggacttc 450
ctgatcatgt ttgtgcatca cttggtcacc attgggctta tctccttctc 500
ctacatcaac aatatgggtc gagtgggaac tctgatcatg tgtctacatg 550
atgtctcaga cttcttgctg ggggcggccg c 581

<210> 484
<211> 358
<212> DNA
<213> Homo Sapien

<400> 484
tctaggtcca ttgtcacctt ttctggcacg acagcctccg cccaccgca 50
ttccccaggc caagctgggtg gccatgcttc agacacgaga cccaccaagg 100
gcctccgcca gaccacgggtg cctgccaaag gccaccctga gcgcccggctg 150
ctgtcagtgg gggatgggac ccgtgttggg atgggagccc gaacccccag 200
gcctggggcg ggccctcagg accagcaaag ggccccatcc gctgctcctc 250
aggccccaga agccttcaca ctcaaggaga aggggcacct gctgcggctg 300
cctgcggcat tcaggaaagc agcttcccag aactcgagcc tgtgggccta 350
gcggccgc 358

tggg 454

<210> 487

<211> 196

<212> DNA

<213> Homo Sapien

<400> 487

ctcaaaatta aagtatcaaa caggggtcct cagaactgtc tcacttcctc 50
ctgtcccat caatattaaa gcctaaaact caagaatcat tcttagcagt 100
ttttttctct tttttctttc tttttctttt tttctttttt gagacggagt 150
ctcactctgt cgcccaggct ggagtgcagt ggcgacagag tgagac 196

<210> 488

<211> 226

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 124

<223> unknown base

<400> 488

gtgtgtgagt gtgtgtgtgt ttaatgtacc taattctgta aaggatttta 50
agtgattttt tcaaagtgga cccaataaaa taaaaacaat atgcgtgcat 100
gtgttttata aaagtaataa aacnagttat tctgcttttt ctagtcttag 150
ttacttactt acatatattat ttgggggggtg tgatgttctt tttaaaagga 200
actcctgtga cacctgttac tccggc 226

<210> 489

<211> 398

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 53, 61, 143, 260, 293

<223> unknown base

<400> 489

gcagctgcct attgcacttg tgaaaaaggt ttgtatgttc aacactgctg 50
ggntggctca nagttgggag tgaatcctcc aagggataag cttaggagaac 100
tttttgaaca gtcaatctgt aaagggtgtt gcaatcccaa ggncaatgga 150
ctagattatg aaggctctcg ggtggaccca ctgttcctct ctgtttatta 200
agctttttga aggagagaga tgagggcagg acatgtgaca acggtgcttt 250
tccttatgen tatatcgctc tccaacagca tcctttccaa atntatagcg 300
cttcaaagat tccaggacag atcgggaaga gccagtgtcc atagaaacct 350
ggggtgtgtc agaagaacgg tgttctctgt gtttgtgacg gtgcctgt 398

<210> 490
 <211> 568
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 52, 63, 87
 <223> unknown base

<400> 490
 gggtttgtcc ttcggtatga caactacaaa aaagcaagcc agtggggatt 50
 cntgtggggc ccntggacct gccaaacatc tccgggngca tgcaaaaagg 100
 tctcctactt tcaactgcacc ctcatcggat actttgtagg cctgctcact 150
 gctactgtgg cgtctcgcat tcaccgggccc gccagccccg cccttctcta 200
 tttggtgccca tttactttat tgccactcct cactgatggcc tattttaaagg 250
 gcgacctccg gcggatgtgg tctgagcctt tccactccaa gtccagcagc 300
 tcccgattcc tggaaagtatg atggatcacg tggaaagtga ccagatggcc 350
 gtcatagtcc ttttctctca actcatgggt tgtttcctct tagagctggc 400
 ctggtactca gaaatgtacc tgtgtttaag gaactgccgt gtgactggat 450
 ttggcattga aaggagctc gtttgcagga gagaggtgct ggagccctgt 500
 ttggttcctt ctcttcctgc ggatgtagag gtggggcccc ttccaagagg 550
 gacaggcctc tccccagc 568

<210> 491
 <211> 552
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 36, 42, 74, 92, 168, 177, 232
 <223> unknown base

<400> 491
 aagactccca aggaagtgtg tgaactatat ttgganaaac angccactga 50
 atattatcat ttttcctttt aaanagagtt ttgtaagggg gnaaacatgc 100
 atttttatcc agacaattta tccaaagcat ttcagaacat gaagtgtga 150
 tgagggcacc tcttgtgntg agtcccntaa gctatcaagt gttcttctca 200
 aggacacatt tggaagggtt taacattgaa antgagcggg ggacttgggg 250
 gcagagcagc acaaagaaac agccttacac tgggcacatg gaggagacgt 300
 ccaccctgca gccaggattg gggttcacgt cactgccaga gctacactcg 350
 ccttctgctt ccacggctct gtttaattcta gatcagagag caagaaaaaa 400
 gtacagaaca tctcctctac ggttatttcc tgctttctaa ttaaaaaaat 450

aataaccatg gcaagagaga aagaaagaga aagtactcag aggctgacac 500
tgacatttca ctctctcgct ctcttaagtt taattacaac agcacgtgca 550
gc 552

<210> 492
<211> 579
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 36, 147
<223> unknown base

<400> 492
tgcagcattg gcagcaacaa aaatttctag tttggntgat gattttggag 50
aattcagcct ttttggggaa tattttggtc tagcacctgt tggggagcag 100
gatgactttg cagattttat ggctttcagt aatagcttta tttcatntga 150
gcaaaagccg gatgacaaat atgatgccct taaagaggaa gccagtcctg 200
ttctctaac cagcaacgtg ggcagcacag tgaaggggtg acaaaactcg 250
actgctgcgt ctaccaagta cgatgtcttc agacaacttt ctctggaagg 300
gtctggacta ggtgttgaag acctgaaaga taacactcct tcaggaaaaa 350
gtgatgatga ttttgctgac ttccactcca gttaaattttc ttccataaac 400
tcggacaaat ccttgggaga gaaagcagtg gctttcagac acaccaaaga 450
agactctgca tcagtgaagt ccttagatct ccttccatt ggtggcagca 500
gtgttggcaa ggaggactct gaagatgcac tctctgttca gtttgacatg 550
aaattggctg atgtgggagg agcgccgc 579

<210> 493
<211> 574
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23, 89, 166, 192, 339
<223> unknown base

<400> 493
gccctatcca ggttaccctt ccnaagggaa accaggtttc tttaaaaaat 50
taagcagccc ggggccggtg ggctcacgct tgtaatccna gcctttgaag 100
cccgaggcgg cggatcacct agaagatgac tcaagaccgg cctctgcttg 150
ccgtgcagga ggcgtnaaga agtgcttccc cgtgggtggag ancagcaggg 200
cctgtgcaga gtgccctgcg ggactgccag cccctcctgt cctccctcag 250
caacctggcg gaacagctgc aggccgcaca gaacctgcgg tttgaggatg 300

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tgccggcgct tcgggccttc ccagatttaa aagagcggnt gaggcgtaag 350
cagctggtgg ctggtgacat cgtcctggac aagctagggg aaaggctagc 400
catcctcctc aagggtgcgag acatggtcag cagccatgtg gagcgagtgt 450
ttcagatcta tgagcaaacac gcagacacag ttggcattga tgctgtcctg 500
cagccttcag cagtgaagccc ctctgtggct gacatgttgg aatggttgct 550
ggatattgag agacggggcgg ccgc 574

<210> 494
<211> 545
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 35, 40, 114, 133, 284, 359
<223> unknown base

<400> 494
cagcatgaga catcccccca tgccctggggc cattnagatn tttttggagc 50
accagtcact cccaggtttt tatttttaggg gtcacgcatt ttacctactt 100
tgtcagactg gtanaagttg ctttgcatac canaaaaaact ccattttttt 150
ccacaaaagg gattacagaa aactcttttg tgagtgaagt attggaactt 200
agagactcct gttgccagaa tcagactgcc ctagaacaga atggacaatg 250
cagggaggag aattcacaca aacagcacct gttntgaggc ctgtgccagc 300
ccaccaggcc tgctcaaagt tgggtctttac ttcaagtga cagaggcaca 350
tgaggtttnt ggtgataaac cagcgtctta ccgctgtttt aaagtcccat 400
ccccatggct ttcacaaatc gttccgtttt ttttgctgta cttgataaaa 450
tgtttattct catacaggtc aagtacattt acttctattc acagtgaagta 500
cccaataaca acaaaagcgc ttacaaattt gggggggggcg gccgc 545

<210> 495
<211> 239
<212> DNA
<213> Homo Sapien

<400> 495
tttttttaaaa aaaaaaaaaa tctcagtata gttctgatta aaatttcctt 50
tctgagtcct aaatgcttta aatcttcttt tccattctt tttacttctc 100
ctatccatag ttacaagttc ttacgcatac catatctctt ggctgataag 150
tttaactgct taagcacctg tttatgtttc atttttaaca tagccagtta 200
ctattatgct tggatataca caatgagggg agcggccgc 239

<210> 496
<211> 402

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23, 34, 85, 89, 105, 108, 115
<223> unknown base

<400> 496
tgtggaaaaa acagttattg cancggttgc ttanaaaaac ataaaaaatgc 50
atccatgggg cttattttatt caggagaaat ctcanagcnc ctgggagtgc 100
tttanagnca ggggntgctt gcatcctctg tggatgtgtg tgtgtgtgtt 150
tgtgcctagg tgtgtgcgca caggtttgtg tgcttgtgtg tgcattgtgtg 200
tggggtgtgt gtgcattgtg gtatgcacgt acccgtgtgt gtgtgcacag 250
gtgtgtgtgt gtgtgtgttt gtgtgcctgt gtgtgggggtg tgtgtgcatg 300
tatgcacgta ccagtgtgtg tgtgcgcagg tgtttgcgtg cacaaatatg 350
catctgtgtg tatgtgtgtg tgttcacacg tgtgtgtgta tgtggcggcc 400
gc 402

<210> 497
<211> 553
<212> DNA
<213> Homo Sapien

<400> 497
cattataaatt aactatagtt actatgctgt atatttgatc acccagaccc 50
atcttataac tgaaagtttg tacccttga tccaaatccc cacatttttc 100
ccagccactg acaaccacca ctttactctg tttctatgag ttcaactgct 150
ttagactcca catgtaagtg agatcataca gtatttttct ttctgcactg 200
gcttatttca cttaacataa catcctctag gttcatctat gtttcagcga 250
atggcagaat tttcttcttt ttaaaggctg aatagtgttc cctcaggat 300
atataccaga tacacataca taagggaata tgtgtgtgtc tcgggtacat 350
gtacataagg gaatactatt ttttactcat tcatgtatgt gtaccagata 400
catatacata agggaatata tgtatatgtg tctgggtacat atacatgaag 450
gaatgctatt ttttactcat tcatctctca gtggacactt aggttggttt 500
catatcttgg ctattatgaa tagtgctgca ataaatatgg gaggggcggc 550
cgc 553

<210> 498
<211> 576
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 47, 71, 78, 92, 112
<223> unknown base

<400> 498
ttattgggag atatccatgt ttttcataaa atcaacaaga gaatccntga 50
ttgttcagaa gaaaacaatt ntgaccgnag aatgctgtta cntgaacccc 100
ttatttcgaa gnatcataag attcacaggg gtgtttgcat ttggactttt 150
tgctactgac atttttgtaa acgccggaca agtggtcact gggcacttaa 200
cgccatactt cctgactgtg tgcaagccaa actacaccag tgcagactgc 250
caagcgcacc accagtttat aaacaatggg aacatttgta ctggggacct 300
ggaagtgata gaaaaggctc ggagatcctt tccctccaaa cacgctgctc 350
tgagcattta ctccgcctta tatgccacga tgtatattac aagcacaatc 400
aagacgaaga gcagtcgact ggccaagccg gtgctgtgcc tcggaactct 450
ctgcacagcc ttccctgacag gcctcaaccg ggtctctgag tatcggaacc 500
actgctcgga cgtgattgct ggtttcatcc tgggcactgc agtggccctg 550
tttctgggaa tgtgtgtggc ggccgc 576

<210> 499
<211> 330
<212> DNA
<213> Homo Sapien

<400> 499
aaaaaaaaaa aaaaaaagct aaaaaacctt gactaaatct accatgtttt 50
ctcatattat taaaaattct aaacgtgggt ttttttgttt tgttttgttt 100
ttctgtttct ccctctgcag agttgttagc ggttctcgag atgccactct 150
taggggtttgg gatattgaga caggccagtg tttacatgtt ttgatgggtc 200
atgttgcagc agtccgctgt gttcaatatg atggcaggag ggttgttagt 250
ggagcatatg attttatggg aaagggtgtgg gatccagaga ctgaaacctg 300
tctacacacg ttgcaggggc aggcggccgc 330

<210> 500
<211> 440
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 42, 79, 82, 101
<223> unknown base

<400> 500
atcaatggcc acccagcaag accaagttac aaggatcgta tnttggtccg 50
aagggatgaa agtggcccaa ggggtctcct tntcggtgaa cgttcagctg 100
ntgcaggacc acggggaaat tgccaagagt aagcatctcc agggggagat 150

gacctaacgt ttccaaaaga gaaacaggca gcaggttctt aagcagtgaa 200
 gatgcggacg agatgttgca tgtggctcct gaggcacagc agtgacttcg 250
 tgcccagagc ctggcagaga ggtcgcaggt gtgccagctt ccctgccagt 300
 cagggcagcc ttgggtgtgt gtgcaagcat gtgtgcacat attgtgtgat 350
 gtgctgtctc ctgtatgtgt gtgcatatgt gtgtatgcct tgcacaggtg 400
 tgcacaggtc tgaatgtgta tacgtggggg gggcgggcgc 440

<210> 501
 <211> 563
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 31, 48
 <223> unknown base

<400> 501
 gaatatcctg caggtatctc tccggccac ntccttgctt actgagctc 50
 agccctgatt tgtcatcgtc ggtttcgtga ccctcatcat atttaagcgg 100
 gagctgcaca cggcccccac acagcagtggt gcaccaagta cgggatgccc 150
 tccagccatt ccaggtttat gtggttcttc tccgtctatt ccttcctttt 200
 cctgtattta agaatgcacc aaacaaacaa cgccaggttc ctggacttgc 250
 tgtggaggca cgtgctctcc ctgggactcc tcgctgtggc cttcctagtc 300
 tcctacagca ggggtctacct gctgtaccac acctggagcc aggtgctcta 350
 tggaggcatc gctggaggcc tcatggccat cgccctgggtc atcttcaccc 400
 aggaggtcct caccocgtg ttccccagga tagcagcctg gcctgtctcc 450
 gagttcttcc taatccgaga cacaagcctc attcccaacg tactctgggt 500
 tgagtacacg gtaacccggg cagaagccag gaacagacaa cgcaagctgg 550
 ggccagcggc cgc 563

<210> 502
 <211> 583
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 81, 126
 <223> unknown base

<400> 502
 ccctgccccaa agttaagttc aagttttctt ttcagataat gcctgaaatt 50
 gcccagaata gtcagaggat ttaaaaattt ntttgaccac aaatgcacta 100
 aagttttaag taaagcagtt tcttcnttca ttagcatgtg ttttacacta 150

acatttaata agaagccatt tttagtcttg atcttggcag tgttttcttt 200
aagacttctg atgttatcaa gtatttcatt aaatattaaa ttattattaa 250
ttactgttag tttaaatata attaggggtt tcaatttggc ttcttaaaat 300
ggactgaact gtggcatcac gtattttgtc tcattcatgt atgaataaag 350
cataaatcag tttgttaatg gatgctcata ccaactgttta ttttttcaaa 400
tattttaaca cactttccaa atgggtgggat ttgctttata aatacagttt 450
tctacttaca catgaggaaa ataataattat ttgcattatg gatgtacact 500
ttgaaaaact tttcaatgca attatctgtg tatttcacaa tctctggtag 550
ttttctcaga ttttaatttg gtggggcggc cgc 583

<210> 503
<211> 459
<212> DNA
<213> Homo Sapien

<400> 503
aagcctgtgt aaatggatca accaatccca gtacatttgc ttcaagattc 50
aaacacattc aggtggggggc ttgggacggg atcagcattc atcatgggga 100
agaaaaccac aggccatcag tggatcatac acagtgtctca tcaagaaaga 150
taacgttact tttaaattgt gggctcaaac tggacagcaa ggtgcacagt 200
ggaagagagc agaagtgttt ttaggcattc gttcacatac acagattgtc 250
ttcagagcca aacgtggtat cagttacata ggagatgtag cagtggatga 300
tatttccttc caagattgtc cccctttgtc tagcccagag agaaagtgtg 350
ctgctcatga attcatgtgt gctaataagc actgcgttgc caaagacaag 400
ctgtgtgatt ttgtgaatga ttgtgctgat aattcagatg agactacttt 450
catttgccg 459

<210> 504
<211> 218
<212> DNA
<213> Homo Sapien

<400> 504
aaaaaaaaaa aaaaaaaaaa acctgccaat tttcaaacat accgtagaga 50
ttattttcag gtgccatttt atagtatagc agcagggcctt ttactctgtg 100
tatgcacaga tgcagtctgg ggcattggtt gtgtgctgga ctttctcatg 150
gccatcatca gtatgcttat ggatttgatg acaggcatag cctgggcata 200
tcacctcatt ggtaaagg 218

<210> 505
<211> 562
<212> DNA

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<213> Homo Sapien

<220>

<221> unsure

<222> 60, 88

<223> unknown base

<400> 505

tttaagtgca aaaaattatt ttatTTTTTTT cccagtaatt ttaaattgga 50
attccagccn tggcttattt ttgggagacc cagccatnta ccaaagctga 100
aggcaciaaat gcttattctc gtcactgtcc tttttatgtc agcattcaga 150
gttactggct gtcattttttc atgggatgat tttatttgta gctttcataa 200
cctgttggaa gaagttacta ctttggacag gctatcagga taacttccta 250
tatgaatgaa actctcttat attttccctt ttcacccac tccagttata 300
ctgtgagatc taaaaaaata ttcttatcca agctcattgt ctgttttctc 350
agtacctggg taccatttgt actacttcag gtaatcattg ttttacttaa 400
agttcagatt ccagcatata ttgagatgaa tattccctgg ttatactttg 450
tcaatagttt tctcattgct acagtgtatt ggtttaattg tcacaagctt 500
aatTTaaaag acattggatt acctttggat ccatttgtca actggaagtg 550
ctgcttcatt cc 562

<210> 506

<211> 485

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 49, 77, 124, 166, 225, 259

<223> unknown base

<400> 506

tttttttttg acacgagaca taaaaacttt taatgaagga ggacacagnt 50
cagagccttc cacaatgggg ccaaccntgc cccacggaga cgggccatgg 100
caaccgctca atcagaaggt gttnttgatg cggccggcca ccagcctaag 150
gatgtcccg atcttnttct gccagttggc gatgtccttg gacacggcgc 200
accacagctc cccatgccga ggctntgcac tctcacagcg ctctctcacc 250
tcctcctgnt gctcctcagt gccatgctgc agctcaaact tgtagaagaa 300
ggcccaggca tccccagggt ccgagtcaat cttcacagtg cgggtggaacc 350
actccctggc cttgggtgatc ttccgctgac tccaaaacag cttggccacg 400
gccaggagca catgggggtc atgtcacac ttcttcaggg catccacgct 450
cttggtcctc ctctggggcc ttgcctcgag gaaga 485

<210> 507

<211> 503
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 47, 63
<223> unknown base

<400> 507
accctgtttt ttaagcacac ctcaagcggg gcctcgctta ccaatanttg 50
attaaccaca agnaaaaagtg tcaagctcaa gacgtcctcc ttttactgtt 100
tgtaaaactg tcttgaaaac tatgatcgac gttccggaat tagaaggacg 150
tggggcaatg aaaattatgt tcggtctcag ctgaatgcc aatcaaaaac 200
tctgtttgcc ttaggaactc ctaatccact ggaggagaa gaactacaaa 250
gaaaactggc ttgggaagat caaaggatca atgatataat tcagcaagac 300
tttggtgatt ctttctacaa tcttactctg aaattactta tgcagttcag 350
ttgggcaa atctattgtc cacatgccaa atttcttatg actgctgatg 400
atgacatatt tattcacatg ccaaactctga ttgagtacct tcaaagttaa 450
gaacaaattg gtgttcaaga cttttggatt ggctcgtgtc atcgtggtgc 500
ccc 503

<210> 508
<211> 564
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 73, 80, 145, 342
<223> unknown base

<400> 508
tcgacccacg ggggtccgta aagttgatgg tctgccttgt acatctcaac 50
cattcttgaa ccacttaatc ctntttttgn caacactagt agaacagaat 100
cctgaagata tggagacctt tacctagatg ttgctgaagc ttttntggat 150
gttggtgaat ataattctgc acttcccctc ctcagtgtct tttgtttgct 200
ctgaaagata caaccttgca gtagtttggc ttggtcatgc agaattgtta 250
aaggccttag gctatatgga gcgagctgct gaaagctatg gcaagggtgg 300
tgatctggcc ccactccatt tggatgcaag gatttcactt tntacccttc 350
agcagcagct gggccagcct gagaaagctc tggaaagctc ggaaccaatg 400
tatgatccag atacttttagc acaggatgca aatgctgcac agcaggaact 450
gaagttattg cttcatcggt ctactctgtt gttttcacaa ggcaaaatgt 500
atgggttatgt ggatacctta cttactatgt tagccatgct tttaaaggta 550

gcaatgaatc gagc 564

<210> 509

<211> 525

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 49, 54, 110, 162, 221, 263, 275, 292

<223> unknown base

<400> 509

acagtatggt cattcatgct ccaaagaaaa ggagattgag ctttaaana 50
aatntctcac aagttagggtg atccagggtt tgtgggtcttt gcaacccttg 100
tggtcattgn gcccttgata ttaatcttcg ggggggtcct cgccatggac 150
agacaaacat tnttgtagaca taacaatctg ctctgtaatc ggggcgtttt 200
cagtctcctg tgtgaagggc ntgggcattg ctatcaagga gctgtttgca 250
ggaaagcctg tgntgcggca tcccntgggt ggattctggt gntgagcctc 300
atcgtctgtg tgagcacaca gattaattac ctaaataagg ccctggatat 350
attcaacact tccattgtga ctccaatata ttatgtattc tttaacaacat 400
cagttttaac ttgttcagct attcttttta aggagtggca agatatgcct 450
gttgacgatg tcattggtac tttgagtggc ttctttacaa tcattgtggg 500
gatattcttg ttgcatgct ttaaa 525

<210> 510

<211> 565

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 46, 79, 104

<223> unknown base

<400> 510

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aaatacactc agacaggaga aatttggant aattttcaaa ctacagacac 100
tttntaatca tgatgcattt caaaagtggc ctcaattaa cttgagttgc 150
aaaacatgac agtgcccgag gatgataaca ttagcaatga ctccaatgat 200
ttcaccgaag tagaaaatgg tcagataaat agcaagttta tttctgatcg 250
tgaaagtaga agaagtctca caaacagcca tttggaaaaa aagaagtgtg 300
atgagtatat tccagggtcca acctccttag gcatgtctgt ttttaaccta 350
agcaacgcca ttatgggcag tgggattttg ggactcgcct ttgccctggc 400
aaacactgga atcctacttt ttctggtact tttgacttca gtgacattgc 450

tgtctatata ttcaataaac ctccatttga tctgttcaaa agaaacaggc 500
 tgcattggtgt atgaaaagct gggggaacaa gtctttggca ccacaggga 550
 gttcgtaatc tttgg 565

<210> 511
 <211> 558
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 83, 114
 <223> unknown base

<400> 511
 agtgggcttg aacttcgtga gtttcgcttt aaactgccct tgaaatgaag 50
 tggacttggga ggggcatgga atattcacat ggnagagccg catgaggccg 100
 cccaccacgc ttontgaagg atgcccggtg gaagaatttt gacgtgccag 150
 tgtcctcggt ctacagggtg ttccattctt ccgcaatctc agaaaaatgg 200
 gactaaaaga aacttatttt gtaaaataag aagacttcca tttttaatga 250
 ccaacatgta ttaagatgga cacctactct acgaaacacg aagttctatg 300
 gtctcgaaga agcccgtgcc tgtttgaaac tgatcctaac taaaaacaga 350
 cttgagtggga tatgagaatg ttggtagtg gcagaagagt caaaaaatgg 400
 cagttaatta ttcagttatt tgctacttgt tttttagcga gcctcatgtt 450
 tttttgggaa ccaatcgata atcacattgt gagccatatt aagtcattatt 500
 cttacagata cctcataaat agctatgact ttgtgaatga taccctgtct 550
 ctttaagca 558

<210> 512
 <211> 544
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 25, 53, 63, 78, 111, 150
 <223> unknown base

<400> 512
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 tgntgcaaag gncagtgct ggatgganag gacagtgcct ggggcagtca 100
 tgggaagactt ntttaggagg tgacttttta aggggttttg tgatcaaaan 150
 tatggagtct taagtccaac cagtgggttat gaattccggt tctgccactt 200
 gctataatag ctgtatcacc atgagcgata acttaacctc tttgtgcctc 250
 agttttttca tatataaaat ggggatcatg atagctctgt cccaggggag 300

ttaggaggat taaatgcaac agtaatccaa cccacagtat gaaaagacag 350
gctagcacat acaacacaat ctataaatgt ttgctattat tgtcatcctt 400
tttattagta tatcatggta caagtttgct gggtagaaag atggcgatgg 450
ggaaggggac atttcaggcc aatgtgataa taaaatcaac agacaaaaga 500
agggagagtg tggtgagtag gataaagctc tgtacagatg caag 544

<210> 513
<211> 118
<212> DNA
<213> Homo Sapien

<400> 513
atttaacttt cccctttaaa aggaattggc tatagaactg ctttgtaaag 50
atgcttcttg atatcttact tttgttcctt ttccctaata attccctttt 100
ttccccactc ctccagaa 118

<210> 514
<211> 557
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 34, 56, 60, 82, 85, 115, 122, 152, 185, 187
<223> unknown base

<400> 514
tcccgtgggg gacttgggat cccagacgtt aaantaggag ccggaaagag 50
ggaggnnttn ttcttgccctg gaagttgcct gngtntttgt accacccag 100
ccccccacc gtgnggggac cntcggcagt gacggcccac agtgccacgt 150
gntcccagaa cccagagggga aagcatcacg gttcntngtt gacagctccc 200
agtcacacaa tccccacgtg tctgtcatt tcttaaacia gggttcatca 250
ccagatttag acccacctgc ttttctctct tttctgcttc ttccagagat 300
tttttttagtg tcttcatttc actggttacc acttctatca tgtttctggc 350
cctttcttta ttctccttag cctcatgttc tgtggtatcc agttctgact 400
tgacagacat gagctttttc tcagctttct ccttcatctt ctccagttgg 450
tctctggatt tgttttagatc ttcaatggct ttagtctggt ccaaagtttt 500
aatcttcagt tcattggtgt cggccagttt ggctttgagc tcggtgtgca 550
agtctcg 557

<210> 515
<211> 348
<212> DNA
<213> Homo Sapien

<220>

```
<221> unsure
<222> 37, 72, 182
<223> unknown base
```

tgcanagang catgggctct gtcagtttct gggaaacttt ntgcacccta 200
 taaacacaat atttttcttt gttttcacac attcaccatt ttgctggcac 250
 ctttntgaag tagtggttgc ccggtatcag cttttgcaat atgttanaga 300
 tgtactgtct gccgcatttt gcaactggttt tctcttttca tttatgatta 350
 ataatgtgta tacgttattc ctttttatta tctactgtgt aag 393

<210> 518
 <211> 245
 <212> DNA
 <213> Homo Sapien

<400> 518
 cccccgcac cgattttttca aaaaataatt tttctaatta agatatgtgt 50
 atatgtttta acatctttca gaaacataaa attgaatgaa aagagtaatt 100
 tgcagaaaca catgcaatat aatttattgt gcatttttaa acacacaaag 150
 caggactaca tgatgttcat gtgtgcgtgt gtatatatat atatatttaa 200
 acacacagac aggcggggca tgatggetca cgctgtaat cccag 245

<210> 519
 <211> 585
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 48, 54, 66, 128
 <223> unknown base

<400> 519
 gaccactggc ccacccgccca aggattgcct agatgataat ttacaagnac 50
 cactacttta gatttncctt attgatgtta agataccaaa ccaagtaagt 100
 attaaaatca gccaaacctt ggacattntg ggaatatata atcatttgat 150
 aatgcataag aataggaaaa aattgaatgt gtttatgact aaagttttat 200
 atttgtggta atgttaaaat gtattattaa atatgttaaa attatttcat 250
 ttttttcccc tttgagaggt aaagcctaatt acttctcccc ttgaatatgg 300
 gctagactta tgagcacatt tctaataaac agagaaagtg gatgtggatg 350
 tgacaatgtg tatgttggaa gactagacaa tatcagagat gaacatgatg 400
 gtgaaagaaa ataaaagaag aaagctagtt aataaaaggc accattgttt 450
 cctcctcttc ctcctcctcc acctctttta ctctctctcc ctctctctga 500
 tcaacagctc tagcaaaagc cagatgctat gcggtgcgga ctttcaggca 550
 gctttgcagg gagatacatg tggcaaggaa ctgac 585

<210> 520
 <211> 474

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 68-69, 214
<223> unknown base

<400> 520
tggcttgtag ccccatccaa ataacagcgg ggaggagcgg agcctgtggt 50
acgcaaccca ttaccccnnt gatgagagaa aactttttatc catgaccag 100
gatgactaca aaccatctga tggcctgctg gtgactgtga acggcaaccc 150
cgtggattac cacaccatcc acccaagcct gcccatggag aacggccctg 200
gcaaagccga cctntactcc acccctcagt accggtggga gccctctgat 250
gaatcctcag aaaagcgaga ggaggaagag gaagagaaag aagaatttga 300
agaagaaagg agccgtgagg aaaaaagaag tatcaaagtt catgccatgg 350
tctccgtatt ccaattttatt atgaaacaaa gttacatctg tgccctcata 400
gctatgatgg cctggagcat cacctatcac agctggctga ccttcgtgct 450
gctgatctgg tcgtgcactc tttg 474

<210> 521
<211> 626
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 63, 116, 126, 148, 180, 193, 213, 222, 262
<223> unknown base

<400> 521
gaattttttc gaaaagctaa tgccccattht tggatgtcat ttaccattca 50
ccttttaata ttngggggca ttttgggatc aaattatcct gatgtttttc 100
aacaaagact tgaganaaaa taaggngcat tactttttttt ggacattntt 150
cttttagacc tattgtgagg tgtttgcccn ccattagaaa ttnccccaaa 200
tggttgaaaa ttnttaaaca gnagaaggaa gagactcaaa gttagcatca 250
caaagagaaa cncgatgctg gaaagggaga ttgcattctc aatccgggat 300
aatttcatgc agcagaaggc tttcaagtac atgtcagtga ttcaggcttt 350
tctcggttct gttccacaat taattttgca gatgtatatc agtctcacta 400
tacgagaatg gcctttgaat agagcattgc tgatgacatt ttccctgtta 450
tcagttactt atggggccat tcgctgcaat atactggcca tccagatcag 500
caatgatgat actaccatta agctaccgcc gatagaattc ttctgtgtcg 550
tgatgtggcg ttttttggag gttatctcac gtgtagtgac tctggcattg 600

ttcattgcat ctctgaaact gaagag 626

<210> 522

<211> 566

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 42-43, 100, 103, 116, 142, 216-217, 227, 233

<223> unknown base

<400> 522

aaatgttttg acaaatacaca agaaagtttc aaaaatttgg gnntattagt 50
 ttgaaaaatt gttttcagtt cacttgtgat ttcttgttta attcactgcn 100
 ganaggattc ttttanactt tccaaggatc ttaaagctat cntacctagg 150
 aatgagaatt atgggtgttcc atgacaactt tgaataagta ttccctaaag 200
 ctaaggaggaa attctnncaa taatgantcg ggncattgct attttgggaa 250
 agtaaaagcg gaaaaagctt gacgacactg aaaggcttgt tgagatggaa 300
 caagtccctc cttcacttaa caagatgaga aagacaatag gtgggtgtggc 350
 tctctggcga cagcaaatct gcgcaattgc aagggttcgc ttgttaaagt 400
 taaagcatga aagaaaagct ctttttagcac tgctattaat tctaattggc 450
 ggattttgcc ctcttcttgt ggagtatacc atgggtgaaaa tatatcaaaa 500
 cagttacacc tgggaacttt ctcttcattt gtatttcctt gctcctggac 550
 aacaaccaca tgaccc 566

<210> 523

<211> 503

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 25, 67

<223> unknown base

<400> 523

ccttattgat gttaagaaac caaancaagg tatgattaaa aatcagccaa 50
 acctttggac attctgngaa tatataaatc atttgataat gcataagata 100
 ggaaaaattg aaatgtgttt atgactaaag ttttatattt gtggtaattg 150
 taaaatgtat tattaaatat gttaaaatta tttcattttt tcccccttg 200
 agaggtaaag cctaataactt ccccccttga atatgggcta gacttatgag 250
 cacatttcta atgaacagag aaagtggatg tggatgtgac aatgtgtatg 300
 ttggaagact agacaatatc agagatgaac atgatgggtga aagaaaataa 350
 aagaagaaag ctagttaata aaaggcacca ttgtttcctc ctcttcctcc 400

tcctccacct ctttaactct ctctccctct ctctgatcaa cagctctagc 450
 aaaagccagc tgctatgcgg tgcggacttt caggcagctt tgcagggaga 500
 tac 503

<210> 524
 <211> 447
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 39, 43, 96, 344, 418
 <223> unknown base

<400> 524
 gagggtagga tccgcaagcc cctttcgcga agccccgagng agnccccgggc 50
 gacaggcagg cagagaatat gttattccca tcctttggcc cacaanattt 100
 atggcagaga tgggtggattt ctttattctc ttctttataa aagcaaccat 150
 tgtcttaagc attatgcacc tcagtgggat aaaggatata tctaagtttg 200
 ctatgcatta tataatagaa gaaatagatg aagacacatc aatggaagac 250
 ttgcagaaaa tgatggttgt ggcacttata tacagattat tagtttgttt 300
 ctatgagata atttgcattt ggggagcagg tggagctacc ccanggaagt 350
 tcctgctggg gcttcgagtt gtgacatgtg atacatcagt gcttattgca 400
 ccaagtcggg ttttagtnat tccttcctca aatgttagca ttacaac 447

<210> 525
 <211> 539
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 105
 <223> unknown base

<400> 525
 caagataaaa tatatggggg aagatgtaga aatgtgacag tttggcaaaa 50
 acaaagtctt cccaagattt cagcacgttt gcagcggaaa ttcaggaaac 100
 catcncagca ctcagagagc agataaacia gctggaggca cgctgaggc 150
 aggcaggggtg tacagatggt agaggggttc caaggaaggc cgaggagcgc 200
 tggatgaaag aagactgcac tcaactgcatt tgtgagagtg gccaggtcac 250
 ctgtgtgggtg gagatttgct ccccggtctc ctgtcccagt cctgaattgg 300
 tgaaaggaac ctgctgtcca gtttgagag accgaggaat gccaagtgat 350
 tccccagaga agcgctaata aaagtgttgt gctgttgagc cccaaatggg 400
 aaatttctca ggaagagaca tttaggactt cagaactttt aacttgtagt 450

cacattgttg atatggaaac cactgactta agcaacttag ttcattcta 500
 cttacatata cttacgatct tttatttttt cattttcta 539

<210> 526
 <211> 456
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 21, 109
 <223> unknown base

<400> 526
 gaagtgagga gaaagtttat ntttttcata taatttaagg gtcgtttctg 50
 tgaaccattg cttcatgtct ttttcacttt tttcaattgt ctcattttcc 100
 tcaaaatana ggcactggtt atgtattaca gagattagga ctttgtcatt 150
 agtcttttcc tgtgaacgag atcacataga ttatttggtt cttttctggc 200
 ttttgaattt cagccatcat tttaaaaaat acttccccat gggttttctg 250
 cagttctttt gtaacttctt gttctccatt tcaatattgg atgtttggct 300
 tttgttcctt tgcgtgtttg gtatgcgata tggatcccc ttagtctttt 350
 tgtctagcat caatatattt atttttatac tgtccttcag attgatgatg 400
 atttcagag ttcttggggc tttaatgcct gttgcgttta cagactctca 450
 tccggg 456

<210> 527
 <211> 500
 <212> DNA
 <213> Homo Sapien

<400> 527
 cttgtgtttt cttccccctc ctaaatttga agaactatgg agaaaatgg 50
 acttgatgac agtagtggtt ttaataggac taacagtacg atggcagtgt 100
 ctcttaattc ttattcaggt gctggtaacc cgcctatgtt tgggtgattat 150
 gaagctcaga gacactggca agaaataact tttaatttac cgggtcaaaca 200
 atggtatttt aacagcagtg ataacaattt acagtattgg ggattggatt 250
 acccacctct tacagcttat catagtctcc tatgtgcata tgtggcaaag 300
 tttataaatc cagactggat tgctctccat acatcacgtg gatatgagag 350
 tcaggcacat aagctcttca tgcgtacaac agttttaatt gctgatctgc 400
 tgatttacat acctgcagtg gttttgtact gttgttgctt aaaagaaatc 450
 tcaactaaga aaaagattgc taatgcatta tgcactctgc tgtatccagg 500

<210> 528
 <211> 512
 <212> DNA

<213> Homo Sapien

<400> 528

ccagaatgaa aaaaaaaagt cttgttggat aatagtgttt gactagcggt 50
ttaagaactt gagagtaaaa gcaccaataa gattttttca ctttttcctg 100
cttccacccc caaactgaga acatccactc aattgtttgg aagaaactgt 150
aggtctatat aaattttatt tataatgtat gtgtaatata cataatcata 200
atacagttct cagatgcagg gaagaagttt ggcatttaat cattgaggct 250
ttaggttttt gatgtgatca gactgggcca tgtcaaaccg ggaattttca 300
ccaacagttc actcaccctc ctggtacatt gccattccaa ggaattctga 350
gagtaggcaa acaaattttg ctttcatggg acagttctca gtttttctta 400
taggagaaat atggtatatg tttataagaa tcttttatga gattatagat 450
ttcaatgctg tggatagtgt cttgcaccca aacaagaaag tccataatgg 500
aatgatcttc cc 512

<210> 529

<211> 479

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 82, 196

<223> unknown base

<400> 529

tccaagtcct tgaacatctt tggttttttt ggagtgtcca aacccatggt 50
cagaaacggc acatggaata ctcatgtaat gnaggaaaag tctatatctg 100
cagctggacc cagccatacc aggagtgatt ttggaaatcc ataccggttt 150
gggattgatc cgatttggaa cttggcttca aacaaactca catttntgaa 200
ctcgtataaa atgaagatgt cggtgatcct gggaattgtc cagatgggtt 250
ttggtgtcat cctcagcctt ttcaatcaca tatacttcag aagaactctc 300
aacatcattc tgcaatttat ccctgagatg atttttatcc tgtgtctggt 350
tggatacctg gttttcatga tcattttcaa atggtgctgc tttgacgtcc 400
acgtatctca gcacgcccc agcatcctca tccacttcat caacatgttt 450
ctgtttaact acagtgactc ttccaacgc 479

<210> 530

<211> 513

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 56, 68, 72, 83, 149

<223> unknown base

<400> 530

gccttttagtt tccagctact tggaaaggta aggtaaaagg atcccttttg 50
gcccgnaggt tgaggctnca gnagttgaga tencaccatt gcattccatt 100
ttgggtgaca caagcgagag ctatctcaaa accaaaaagc aagccaaanc 150
ccaccagac caaaaagggtg acttccaggg ctgccccagc taggaacact 200
ccagaaagca gacaaggaaa accgagtgtg aagagtcctt ttggagattg 250
tcatggccat gtgacattcc tttggcctga actcagtcac atgtcccctt 300
cgagatgcag gggggacctg ggaaatgtag tttctggctg ggcagctgct 350
ttccagcaat agcactctac tgcagaagag gaggaggagt ctgtggtgca 400
aagccagcca ggctgccac agatactgca ccatttataa aaatgctttt 450
acactcattt catttgcttc tcatcacaat ctataccatc agctatactg 500
tcctcatttt tca 513

<210> 531

<211> 513

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 35, 53, 454, 461, 482

<223> unknown base

<400> 531

gaatggagga aattgctttc acttcaagac tttcnttttt tcaactaaaac 50
ttntaaaggt gtacaagggg aggggaagggg ggcaaagtcc ttgaacattt 100
tcctttggctc ggccatgta tgatcatata cctttttaaat aaggggaaat 150
agtatcttta aagttaatgt ctagccaaga gtttagtaaa cgaagaatta 200
aactgcactg ttgatcgggtg ctttgtgtaa atacatcttt aacatttggg 250
tgagagaggg ccttaagaag gacagttcat tgtaggaaag caattctgta 300
catgagttta agcattcttg ttgcattgtc tctgcagatt ctatttttgt 350
ttacaatatt aaaatgtatg ttagcaaaat ggggtggattt tcaaataaaa 400
tgcagcttcc acaaaagttt tgttatggta ttctggtctg agatgcattt 450
tcanttttcc nttctctttt tattatcaat antgtcattt ttcctaata 500
aaatataccc agg 513

<210> 532

<211> 484

<212> DNA

<213> Homo Sapien

<220>

<221> unsure
<222> 35
<223> unknown base

<400> 532
gctgtcctga gcagttgcag aagcatcgag ggtgnagagg agcacatact 50
gtccatggag tgggtgtcaa ggtggacagg gggcgggtgg tgatggcgca 100
gtttgacatt gaataccagc gcctagaggc ctctatagt gattcacccc 150
caggggagga ggacctgttg gtgcacgtcg ccgaggggag caagtcacct 200
tggcaccata ttgaaaacct tgacctcttc ttctctcgag ttataaatct 250
gcaccagaag aatggcttca catgtatgct catcggggag atctttgagc 300
tcatgcagtt cctctttgtg gttgccttca ctaccttctt ggtcagctgc 350
gtggactatg acatcctatt tgccaacaag atggtgaacc acagtcttca 400
ccctactgaa cccgtcaagg tcactctgcc agacgccttt ttgcctgctc 450
aagtctgtag tgccaggatt caggaaaatg gctc 484

<210> 533
<211> 558
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 93
<223> unknown base

<400> 533
gggtaagtat attcagtgca ggtaaagact gaatgaatgg gtaccatcaa 50
attggtaaaa tgaagatggg ttttggtcca ggaacacaaa gtnttatttt 100
atcctgtgcc aaacactcca gttttgcaat gagattgtga ggaaggagaa 150
ggcaaggatt ctgttccaat gtttgggtccc agaggacctt gaatagtact 200
ttgaccgggt aagcgcttaa taaaataatg cttactctta tgaatttagc 250
tgcagaaaaca tttagtccca tagacaatat gtgtagaatg taaaaaatgc 300
aaatcttact aaaagaatat acaggaaaag ttctccctac tccttctga 350
aaggagacca gtgttattag ctcgatcatg agattgtctg tgctcatgca 400
agcatctccc tgcagtgtat tcctcttgcg ttcgtgcaaa gaatagcatc 450
ctacacacac ctttttagccc cttgcttttc ggttttgtgt attttgcaga 500
ttgggtcatt ttgtgcacac agtgcatttt tattcttttt tttgtttgtt 550
tccccctg 558

<210> 534
<211> 462
<212> DNA
<213> Homo Sapien

<220>
 <221> unsure
 <222> 55, 91, 156, 193, 215, 281, 395, 399, 444
 <223> unknown base

<400> 534
 atcatagtgt tttcaaactc cccgtgtaaa agttcccaaa atcccatgtc 50
 acagntgagt cttgggttttg ttgattgggt tgtctcttga nagtgtgtta 100
 ttttttgttt cattatgtgt ctcataatth ttgggttgaaa gctaaagcct 150
 tcttgngaag gctagtggag acttgggttaa acactattta tgngcaaaaa 200
 tggacatgcc tttnttttaa ggaggaggca ttgagacaac tctgtcaggt 250
 tttgttggtta gtatgggttac tctcaaaaag nacataattc aaattcttcc 300
 agtattatth ttttgcttag tggttggttt gttggagagt tttctcagt 350
 gtctgttcaa atcacagtta ttggtctttt ctttgtgcct acgtntaana 400
 gaggatatct ttctgtgctt ttaccctcac tcttcagca gtanactgct 450
 gttacttggt cc 462

<210> 535
 <211> 511
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 94, 110, 156
 <223> unknown base

<400> 535
 ctgcccattt ttttgctttt acctggcaag tgtttaaaaa aggcctcaaa 50
 gaaaaggggt ttgtgttgct agttaagcta gcttgattg tggnggcttc 100
 cttcgttttt tgctggctgc cattctttac agaaaggag caaccctgc 150
 aggttntaag aagactcttc ccggttgatc gtggattatt tgaggataaa 200
 gtagccaata tttggtgcag cttcaatgtc tttctgaaga ttaaggatat 250
 tttgccacgt cacatccaat taataatgag cttttgtttt acgtttttga 300
 gcctgcttcc tgcattcata aaattaatac ttcagccctc ttccaaagga 350
 ttcaaattta cactgggttag ctgtgcgcta tcattctttt tattttcttt 400
 ccaagtacat gaaaaatcca ttctcttggt gtcactacca gtctgcttag 450
 ttttaagtga aattcctttt atgtctactt gggttttact tgtgtcaaca 500
 tttagtatgc t 511

<210> 536
 <211> 511
 <212> DNA
 <213> Homo Sapien

ggtaatgggc aattaaatt ttttcggggtc tggattttta aaatttatat 50
 taaggnattg aagttccttt tctccnttag gtttaacagt gaattcacat 100
 gagtaatttt taaaagatat cagatncatt ttgctattca aagaaaatta 150
 tgattttaag ccacttttta aaatncgaga aggaaaatag gatggattaa 200
 agggttaact tttaaagatt attattgggtt aatgttgaca tatttcctct 250
 atctcataga tggtaaaagt gttgctttta aaaactggca aatgcactct 300
 tcagaaatcc ttttctatct gatccacatg gagagggttaa aggttcaatt 350
 tcatgacctc tatgcaggca gcgctctcat tggatgtaag aatattacct 400
 gcaaggatag aatgcagttg tgcaacagag acacattctt atttcacttt 450
 tttcacaatt ttgttttggtt tttaatgacc cttttattga atattgg 497

<210> 539
 <211> 362
 <212> DNA
 <213> Homo Sapien

 <220>
 <221> unsure
 <222> 42, 106, 132, 134, 184, 199, 208, 240, 250, 253, 256, 268, 307,
 318, 355
 <223> unknown base

<400> 539
 aaagggtccg gtccccggcc gaaaccactt ttgatctttc cntctttggg 50
 ctcaaaaaat gtacagggtt tccagggcag ccttgggatt gggccacttc 100
 ctttangatc ctggttcttc ccgttgtctt tnanacggag aagttgcaaa 150
 tggagcaaca gcagcaattg cagcagcggc aganactttt aggcctaana 200
 cagggctntc aggaggaatg ccaggggctt taccctcacn tcttggaan 250
 atntanattg ttattgcngt ttgagctgtc tcagtgggat aagtttgaaa 300
 ttcaagngtt tgaactgntg aaaattggaa tttttttttt aactttggca 350
 gcaanggggt cg 362

<210> 540
 <211> 441
 <212> DNA
 <213> Homo Sapien

 <220>
 <221> unsure
 <222> 42, 44, 47, 67, 341
 <223> unknown base

<400> 540
 ggtttgcttt ggggggtgtt ttggaatatt ttgtgactgc gncntcntag 50
 ggtcactggc attttgntta gctataaatt ataaacagat ggaactttac 100
 cacgccttgc catttttttg ctttttactt ggcaagtgtt ttaaaaaagg 150

cctcaaagga aaggggtttg tgttgctagt taagctagct tgtattgttg 200
 tggcttcctt cgttctctgc tggctgccat tctttacaga aaggaacaa 250
 accctgcagg ttctaagaag actcttcccg gttgatcgtg gattatttga 300
 ggataaagta gccaatatatt ggtgcagctt caatgtcttt ntgaagatta 350
 aggatatttt gccacgtcac atccaattaa taatgagctt ttgttttacg 400
 tttttgagcc tgcttcctgc atgcataaaa ttaatacttc a 441

<210> 541
 <211> 180
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 45, 53, 55, 95
 <223> unknown base

<400> 541
 cttccactt atgtgggtccc acaccaccog cctcccctgc caggntttat 50
 ttngngtgtg tgtgagtgtg ttctgttttg tgttttgttt tttgntgttg 100
 ttttcagttg tttgggttttc ttttcttttc cccctccggt cccatacttc 150
 acagcactct ggtgcgggaa gaagcagaag 180

<210> 542
 <211> 318
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 57
 <223> unknown base

<400> 542
 tctagtttgc ctaagtagaa tttacatggg aatgcactct attctggata 50
 ttattgntgg attcctatat accattttta tcttagctgt cttctatcca 100
 tttgtggacc tgattgacaa cttcaaccaa actcaciaat atgctccatt 150
 catcatcatc gggcttcatt tagctttggg gatcttttct ttcactcttg 200
 acacctggag cacatcccgga ggagacacag ccgagatact aggaagtggg 250
 gctggaattg catgtggatc tcatgttact tataacatgg gtctagtatt 300
 agatccttct ctagatac 318

<210> 543
 <211> 396
 <212> DNA
 <213> Homo Sapien

<400> 543
 agaaccccc ggtgaagttt tccgccaata acctaagggg gctttttcca 50

ggacttcaac ccgagtaaat tcctcatcta tgccctgtctg ctgcttggtt 100
tctgtgctgc tggcccttcg tttggatggc atcatacagt ggagttactg 150
ggctgtcttt gctccaatat ggctgtggaa gttaatggtc attgttggag 200
cctcagttgg aactggagtc tgggcacgaa atcctcaata tcgagcagaa 250
ggagaaacgt gtgtggagtt taaagccatg ttgattgcag tgggcatcca 300
cttgctcttg ttgatgtttg aagttctggg ctgtgacaga atcgagagag 350
gaagccattt ctggctcctg gtcttcatgc cgctgttctt tgtttc 396

<210> 544
<211> 351
<212> DNA
<213> Homo Sapien

<400> 544
ttaatgtcta agccaagagt ttagtaaaca aagaattaaa ctgcactggt 50
gatcgggtgct ttgtgtaaata acatctttta catttggtg gagagggggc 100
ttaagaagga cagttcattg taggaaagca attctgtaca tgagtttaag 150
cattcttggt gcattgtctc tgcagattct atttttggtt acaatattaa 200
aatgtatggt agcaaaatgg gtggattttc aaataaaatg cagcttcac 250
aaaagttttg ttatggtatt ctggtctgag atgcattttc atttttcctt 300
tctcttttta ttatcaatat tgtcattttt ccctaataaa atatacccag 350
g 351

<210> 545
<211> 398
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 298, 323
<223> unknown base

<400> 545
agtttcatat atttggaat gagccttgag ccataaaagg ttttcagcaa 50
gttgtaactt attttggcct aaaaatgagg tttttttgga aagaaaaaat 100
attgttctt atgtattgaa gaagtgactt ttatataatg atttttttaa 150
tgcccaaagg actagtttga aagcttcttt taaaaagaat tcctctaata 200
tgactttatg tgagaaggga taatacatga tcaataaac tcagtttttt 250
atggttactg taaaaaagac tgtgtaaggc agctcagcac catgcttntc 300
gtaaaagcag cttcaattat ccnctggggg tatcttttga caacttgcca 350
ttatctgatg ttacacaatt caatagcaag caagtttgag acaatcgc 398

<210> 546
 <211> 374
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 43, 99, 102, 129
 <223> unknown base

<400> 546
 cataaatata cccaccccaa atggacgact tatgaaggaa ttnccttgtga 50
 aagctcattg gagtaaaaatt tcctctcaaa caatactttt aggtcatang 100
 cntgagtcta ttaattatth ttctgttana ccctgccaaa aaagaatttt 150
 aaaagttagt ttatgttttg tgtaaccatg ttcttcagaa tgcaggtatg 200
 tgagcatcat ggtttctggt taattctgct gtcctgtct ttgaaaatgg 250
 agataccact tgcagcttat cccactgctg agtattccag cattggtagt 300
 ggtttcactc cattgcatcc atccagaact ttcacacagg cctccccga 350
 accccttgcg gcgcaagggg ttcg 374

<210> 547
 <211> 251
 <212> DNA
 <213> Homo Sapien

<400> 547
 aaaaaaaaaa aattaagtga acctctactt tagaatgttg gcttttcata 50
 tatgtacaaa acaaaagagg ttgcagtgat ggcgtggata aaggcacctg 100
 tgtacttttc caacctatcc aatttcaaga tgtatccttt gtggattaca 150
 ttggttcttt tctatggaat catgcacctt agacctggga gaaaccagcg 200
 tgacatccag ggtcaagggt ttccaatcag gtattttggg caaggggttc 250
 g 251

<210> 548
 <211> 331
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 77
 <223> unknown base

<400> 548
 aaaaaaaaaa aaaaaaagc taaaaaccct tgactaaatc tcccatgttt 50
 tctcatatta ttaaaaattc taaacgnggg tttttttgtt ttgttttgtt 100
 tttctgtttc tcctctgca gagttgttag cggttctcga gatgccactc 150
 ttaggggttg ggatattgag acaggccagt gtttacatgt tttgatgggt 200

catgttgcag cagtccgctg tgttcaatat gatggcagga gggttgttag 250
 tggagcatat gattttatgg taaaggtgtg ggatccagag actgaaacct 300
 gtctacacac gttgcagggg catgcggccg c 331

<210> 549
 <211> 228
 <212> DNA
 <213> Homo Sapien

<400> 549
 aaattatctt tactgatatg cgttgccaaa tcccatgaga aaagacatct 50
 catttgaggt tccccttcct ctcatgtggt tgattttttg gaaggtgata 100
 cagatgtggg taaccatgca aatgtttatg aataacttta ctgaagtgat 150
 tccatccgta ttctgttcta atacttggag aatgaccttc atatttatat 200
 attttatttc tttgtttcaa ctatccag 228

<210> 550
 <211> 461
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 21
 <223> unknown base

<400> 550
 tgaagatatg ggagacctat ncttagatgt tgctgaagct tttctgatgt 50
 tgggaatata attctgcact tcccctctc agggctcttg tttgctctga 100
 aagatacaac cttgcagtag ttttggtctc gtcatgcaga atgtttaaag 150
 gccttaggct atatggagcg agctgctgaa agctatggca aggtgggtga 200
 tctggcccca ctccatttgg atgcaaggat ttcactttct acccttcagc 250
 agcagctggg ccagcctgag aaagctctgg aagctctgga accaatgtat 300
 gatccagata ctttagcaca ggatgcaa atgctgcacagc aggaactgaa 350
 gttattgctt catcgttcta ctctgttggt ttcacaaggc aaaatgtatg 400
 gttatgtgga taccttactt actatgttag ccatgctttt aaaggtagca 450
 atgaatcgag c 461

<210> 551
 <211> 205
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 23, 41, 66
 <223> unknown base

<400> 551

tggacccccag ttgtcagctg ggnggtactg gatcatcttt nttctatcac 50
aagataaaact atcaanttcc ccagcatcat gaccttggtg ccgtaaaaag 100
gagttcacta cttctgttca ctttgagtct cttcaaattg attctgtgtc 150
ctcctctgga gtctgtgctg cattttattgc ttctgactct tccactaagc 200
cagag 205

<210> 552
<211> 331
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 39, 55, 66, 81, 90, 162, 164, 166, 170, 206, 245
<223> unknown base

<400> 552
ctaaagggga agaagaaaaa gaaaggattg gtcttgctnt aaggggtaga 50
aaagngcaag gggaancagg aaaggaaggc nccctacggn gtaattatga 100
aaatgcattg gaacttctgt ctgatgtttt gctttttttt tcattttctca 150
aaatatttct anananggtn ttaatccttc ttccaccatt tgctttagtt 200
ttaagngecc tgtgtgatag aagggttcat gttgtaaaat cagtnttgaa 250
taatcagaac acttotacca gattgtctaa tgttgatttg tttctggcac 300
tgctttctaaa tgtcttcctc ctcatctctgc g 331

<210> 553
<211> 370
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 60, 64, 74, 101, 117, 142, 188, 290
<223> unknown base

<400> 553
taaaagaaaa gctaaagttt tactgtggcc aaaaaacccc tacatggtct 50
ggggactggn ggtntctttg acctatctt tgaccacttt tcttttttca 100
ntttttctcaa ggcacanctg gcctcctttt tgttctctggc antgggaaga 150
cttgttccta cttcagggtc ttcatgtttg ttcttccttc tgccttgaac 200
acccaccttt ctcccaagtg ttccaggcag atggagtatg cacatggctc 250
actctttttac tttttaagtc tctgctcaaa agcaaatttn tcagccatgg 300
ctttcctgag caccctatctt aaaattgctt tcctactcct acatggctgt 350
tctcctttgc ttaccaccac 370

<210> 554
<211> 310

<212> DNA
<213> Homo Sapien

<400> 554
ttaaaatagt aaaaaaaaaa gaatttatatt ttgttctttg ttagaatttc 50
tctgcaaaga atgtccaaaa attcatattc acattgatcg tatggcaaaa 100
agatgtccca gaagaacaag aacatatgag aagatggctg catgaacggt 150
tcgaaatcaa agataagatg cttatagaat tttatgagtc accagatcca 200
gaaagaagaa aaagatttcc tgggaaaagt gttaattcca aattaagtat 250
caagaagact ttaccatcaa tgttgatctt aagtggtttg actgcaggca 300
tgcttatgac 310

<210> 555
<211> 202
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 39, 62, 79, 109, 129
<223> unknown base

<400> 555
ccttatatttc cattccaaat ggcagccagn ataaaattna tttcccacaa 50
tttcccttta anggtaagggt ttgcccttnc cgcaatgccc ctcacatggt 100
tcttttggnc agttcggaag cccttgggnt cttgatggct ttgtgtctag 150
taataatgca gggtgctcaa ggaaataaat tcagtgtgga tatactgaaa 200
ac 202

<210> 556
<211> 536
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 159
<223> unknown base

<400> 556
ggtccggaat aagccattag caatccttgc tgtatccagg ccttatatttt 50
tatagactat ggacattttc aatataattc tgtgagtctt ggctttgctt 100
tgtggggtgt tcttgggaata tcttgtgact gcgacctcct agggtcactg 150
gcattttgnt tagctataaa ttataaacag atggaacttt accacgcctt 200
gccatttttt tgcttttttac ttggcaagtg ttttaaaaaa ggcctcaaag 250
gaaagggggt tgtgttgcta gttaagctag cttgtattgt tgtggcttcc 300
ttcgttctct gctggctgcc attctttaca gaaagggaac aaaccctgca 350

ggttctaaga agactcttcc cggttgatcg tggattatTTt gaggataaag 400
tagccaatat ttggtgcagc ttcaatgtct ttttgaagat taaggatatt 450
ttgccacgtc acatccaatt aataatgagc ttttgTTTTa cgtTTTTgag 500
cctgcttctcT gcatgcataa aattaatact tcagcc 536

<210> 557
<211> 488
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 68, 118
<223> unknown base

<400> 557
aaatcttctt gagctttgtt ttgagatgta gttgagTTa cttataaacc 50
gtttcattct tttgggtntt gtttttatga tttattagac agatatgaag 100
gagtgccttag tccagganta attattcctc accactgagg caagactttc 150
tgtggactct gttgaatgtt ccatgaatta atagTTTTcc cagtttggct 200
agtgggaaca gatactattc ctggctttgt atgagtatca ggccctgttc 250
cctcccatg tttctgatgt tctttttctg gattctcata gtttctcat 300
atgcatatgc tgatcagtta tctggtgaat gcttgagaga agatctctat 350
agacctctgg ggttcttttc tatgcaactg tctctctca gcattctgtg 400
cagttattcc ttgctgcttt tttctctcct ggctcttaac tttctctttc 450
caactcagga gtcagctgag atttgccctca gttgccac 488

<210> 558
<211> 728
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 26, 40, 59, 97, 108, 117, 141, 156, 163, 169, 192, 215, 266, 482, 484, 558
<223> unknown base

<400> 558
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accttggcna ccgttgggtt gaggccttga ccacctttgg gacacctgc 100
aagaggantc caaccnaaa caacaaccag gatgtgctcc nagcccagcc 150
cggggnTTca gtnccatant ttgccatgtg tctgtccaga tntgggggtg 200
agcgggggggt ggggntgcaa ccagtggtat tgggtcacc gccagactta 250
gggaaggTga ggcgangtgg ggagttggca gaatcccat acctgcaga 300
tttgctgagt ctgtcttTgt cagagggcca gagaatggct tatgggggcc 350

cagggttggat ggggaaaggc taatgggggc agacccccacc ccgtctaccc 400
 ctccagtcag ccagcgccc atcctgcagc tcagctggga gcatcattct 450
 cctgctttgt acataggggtg tgggtccctg gnangtggcc accatcatgt 500
 ctaggcctat gctaggaggc aaatggccag gctctgcctg tgtttttctc 550
 aacactantt ttctgatatg agggcagcac ctgcctctga atgggaaatc 600
 atgcaactac tcagaatgtg tcctcctcat ctaatgctca tctgtttaat 650
 ggtgatgcct cgcgtacagg atctggttac ctgtgcagtt gtgaataccc 700
 agaggttggg cagatcagtg tctctagt 728

<210> 559
 <211> 586
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 34, 68, 70, 113, 119, 150, 291, 312
 <223> unknown base

<400> 559
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 ccttttaaga agacagcntn tcattcctga ggcataaaaa ttctccaggg 100
 acaaagccat gntcagtna catgtgtgtg cagagagaaa tgcacctgtg 150
 tatctaaggg tagatttttg atccctgaat aattcattga ctaaaactgac 200
 ctcttctccc tggctaaata aattaatttt gctggcttct ctctcagcgg 250
 tttctatfff gtaaattgct gcatgaccaa aatagcccca ntcaaaatca 300
 attggattaa tnttaatggg ttgggttggat gaatattctt ggatgaatat 350
 aaaatgtgct gcccttcaca gatgacacca ctccctgtc aatcatagca 400
 catgtgtact ttttattggt acttaatagt gatggatttg cacttttcta 450
 tcctcactat ctttctgtgt ttcttctttg tacaattgca tgcaggaggg 500
 ctggatgcca gggttaagag agaaattcat gacaaggaag gtaaaattgg 550
 ttcaaatgag catgtgtccc acagccttag tctccc 586

<210> 560
 <211> 648
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 71, 102, 113, 149, 157
 <223> unknown base

<400> 560
 ccgggaaatt aagccctttt ttttttttca aataataaaa gcttcgaaat 50

ttggtntgct ctaaacttat ccatctccct ccattantgg aacaactcca 250

caaagtcctt attccctaaa acacc 275

<210> 563

<211> 43

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide probe

<400> 563

tgtaaaacga cggccagtta aatagacctg caattattaa tct 43

<210> 564

<211> 41

<212> DNA

<213> Homo Sapien

<220>

<221> Artificial Sequence

<222> full

<223> Synthetic oligonucleotide probe

<400> 564

caggaaacag ctatgaccac ctgcacacct gcaaattccat t 41

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